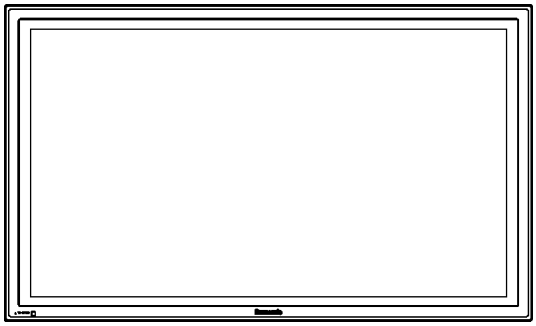
ORDER NO. PCZ0509083C2

Service Manual

High Definition Plasma Display

TH-42PHD8BK / TH-42PHD8BS / TH-42PHD8EK / TH-42PHD8ES

GPH8D Chassis



SPECIFICATIONS

Specifications

›wer Source	220 - 240 V AC, 50/60 Hz
›wer Consumption	
Normal use	295 W
Stand-by condition	Save off 0.8 W, Save on 0.6 W (42 inch)
Power off condition	0.3 W (42 inch)
asma Display panel	Drive method: AC type 42-inch,
	16:9 aspect ratio
Contrast Ratio	3000:1
:reen size	920 mm (W) × 518 mm (H) × 1,056 mm (diagonal)
(No. of pixels)	786,432 (1,024 (W) × 768 (H))
	[3,072 × 768 dots]
›erating condition	
Temperature	32 °F - 104 °F (0 °C - 40 °C)
Humidity	20 % - 80 %
›plicable signals	
Color System	NTSC, PAL, PAL60, SECAM, Modified NTSC
Scanning format	525 (480) / 60i•60p, 625 (575) / 50i•50p, 750 (720) / 60p•50p, 1125 (1080) / 60i•50i•24p•25p•30p 24sF .... SMPTE274M, 1250 (1080) / 50i
PC signals	VGA, SVGA, XGA
	SXGA, UXGA ..... (compressed)
	Horizontal scanning frequency 15 - 110 kHz
	Vertical scanning frequency 48 - 120 Hz

›nnection terminals		
AV	**VIDEO IN / OUT (BNC)**	**1.0 Vp-p (75-ohm or high impedance)**
	S VIDEO IN (MINI DIN 4PIN)	**Y: 1 Vp-p (75-ohm), C: 0.286 Vp-p (75-ohm)**
	AUDIO IN (RCA PIN JACK × 2)	**0.5 Vrms (high impedance)**
PC	**(HIGH-DENSITY Mini-D-SUB 15PIN)**	**R,G,B / 0.7 Vp-p (75-ohm)**
		HD, VD / 1.0 - 5.0 Vp-p (high impedance)
	AUDIO IN (M3 JACK)	**0.5 Vrms (high impedance)**
SERIAL	**EXTERNAL CONTROL TERMINAL (D-SUB 9PIN)**	**RS-232C COMPATIBLE**
SPEAKERS (6 Ω)	**16 W [8 W + 8 W] (10 % THD)**	
:cessories Supplied		
Remote Control Transmitter	**EUR7636070R or EUR7636090R**	
Batteries	**2 × R6 Size**	
Fixing bands	**(TMME203 or TMME187) × 2**	
mensions (W × H × D)	**1,020 mm × 610 mm × 89 mm**	
	(exclusive of protruding portion)	
ass (weight)		
main unit only	**approx. 31.5 kg net**	
with speakers	**approx. 35.5 kg**	

otes:

Design and specifications are subject to change without notice. Mass and dimensions shown are approximate.

This equipment complies with the EMC standards listed below. EN55022, EN55024, EN61000-3-2, EN61000-3-3.

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic®

1. Applicable signals

VIDEO input

	Signal name	Horizontal frequency(kHz)	Vertical frequency(Hz)
1	NTSC	15.73	59.94
2	PAL	15.63	50.00
3	PAL60	15.73	59.94
4	SECAM	15.63	50.00
5	Modified NTSC	15.73	59.94

Applicable input signals for Component / Mini D-sub 15P (Component) / RGB / Mini D-sub 15P (RGB) (* Mark)

	Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)	Component / Mini D-sub 15P (Component)	RGB / Mini D-sub 15P (RGB)
1	525 (480) / 60i	15.73	59.94	*	*
2	525 (480) / 60p	31.47	59.94	*	*1
3	625 (575) / 50i	15.63	50.00	*	*
4	625 (575) / 50p	31.25	50.00	*	*
5	750 (720) / 60p	45.00	60.00	*	*
6	750 (720) / 50p	37.50	50.00	*	*
7	1,125 (1,080) / 60i	33.75	60.00	*	*
8	1,125 (1,080) / 50i	28.13	50.00	*	*
9	1,125 (1,080) / 24p	27.00	47.92	*	*
10	1,125 (1,080) / 24sF	33.75	30.00	*	*
11	1,125 (1,080) / 25p	28.13	25.00	*	*
12	1,125 (1,080) / 30p	27.00	24.00	*	*
13	1,250 (1,080) / 50i	31.25	50.00	*	*
14	640 × 400 @70 Hz	31.46	70.07		*
15	640 × 480 @60 Hz	31.47	59.94		*2
16	640 × 480 @72 Hz	37.86	72.81		*
17	640 × 480 @75 Hz	37.50	75.00		*
18	640 × 480 @85 Hz	43.27	85.01		*
19	852 × 480 @60 Hz	31.47	59.94		*2
20	800 × 600 @56 Hz	35.16	56.25		*
21	800 × 600 @60 Hz	37.88	60.32		*
22	800 × 600 @72 Hz	48.08	72.19		*
23	800 × 600 @75 Hz	46.88	75.00		*
24	800 × 600 @85 Hz	53.67	85.06		*
25	1,024 × 768 @60 Hz	48.36	60.00		*
26	1,024 × 768 @70 Hz	56.48	70.07		*
27	1,024 × 768 @75 Hz	60.02	75.03		*
28	1,024 × 768 @85 Hz	68.68	85.00		*
29	1,152 × 864 @75 Hz	67.50	75.00		*
30	1,280 × 960 @60 Hz	60.00	60.00		*
31	1,280 × 960 @85 Hz	85.94	85.00		*
32	1,280 × 1,024 @60 Hz	63.98	60.02		*
33	1,280 × 1,024 @75 Hz	79.98	75.03		*
34	1,280 × 1,024 @85 Hz	91.15	85.02		*
35	1,600 × 1,200 @60 Hz	75.00	60.00		*
36	1,600 × 1,200 @65 Hz	81.25	65.00		*
37	1,066 × 600 @60 Hz	37.88	60.32		*
38	1,366 × 768 @60 Hz	48.36	60.00		*
39	Macintosh13" (640 × 480)	35.00	66.67		*
40	Macintosh16" (832 × 624)	49.72	74.54		*
41	Macintosh21" (1,152 × 870)	68.68	75.06		*

*1: When selected the RGB format and 525p signal input to the Mini D-sub 15P terminal, it is recognized as VGA 60Hz signal.
*2: When inputted VGA 60Hz format signal from the other than Mini D-sub 15P terminal, it is recognized as 525p signal.
Note: Signals without above specification may not be displayed properly.

2. Safety Precautions

2.1. General Guidelines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.

2. After servicing, see to it that all the protective devices such as

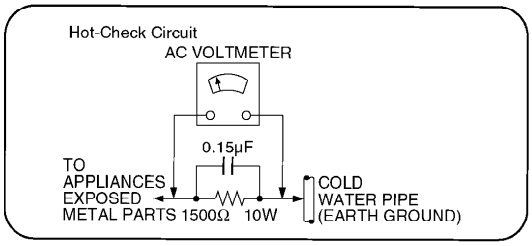
insulation barriers, insulation papers shields are properly installed.

3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

2.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1MΩ and 5.2MΩ. / When the exposed metal does not have a return path to the chassis, the reading must be∞.

Figure 1



2.1.2. Leakage Current Hot Check (See Figure 1.)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 1.5kΩ, 10 watts resistor, in parallel with a 0.15μF capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A

leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

3. Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

1. **Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.**
2. **After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.**
3. **Use only a grounded-tip soldering iron to solder or unsolder ES devices.**
4. **Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.**
5. **Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.**
6. **Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).**
7. **Immediately before removing the protective material from the**

leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. **Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).**

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are imporant for safety.
These parts are marked by ⚠ in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

4. About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.
In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.
The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.
This model uses Pb Free solder in it's manufacture due to environmental conservation issues.
For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.
PCBs manufactured using lead free solder will have the PbF within a leaf Symbol

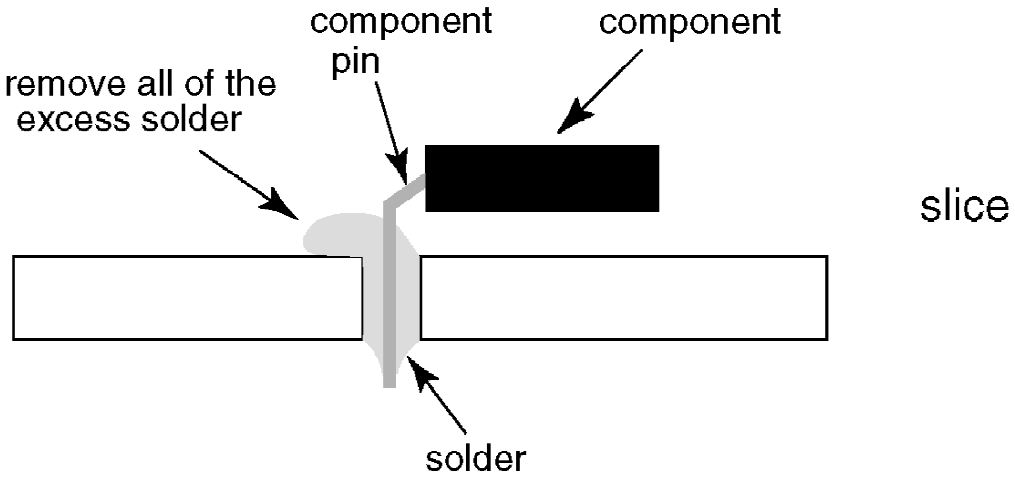


stamped on the back of PCB.

Caution

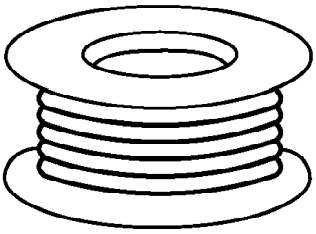
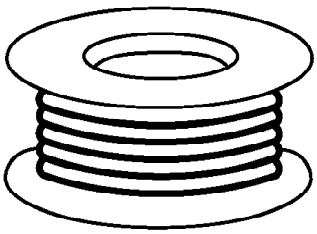
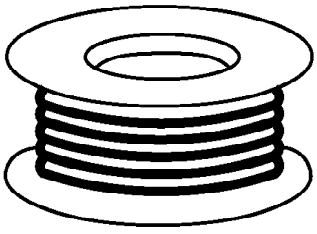
- **Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).**
- **Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).**
  If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.

- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

0.3mm X 100g	0.6mm X 100g	1.0mm X 100g
		

5. PCB Structure sheet of GPH8D chassis

Board Name	Function	Remarks
D	Digital Signal Processor, Format Coverter, Plasma Ai Processor	※1
J	Slot Interface (Audio/Video/Sync input Switch), SYNC processor, Audio processor, Speaker out amplifier, DC-DC converter	※1
SS	Sustain drive	※1
SC	Scan drive	※1
SU	Scan out (Upper)	※1
SD	Scan out (Lower)	※1
C1	Data Drive (Upper Right)	
C2	Data Drive (Upper Center)	
C3	Data Drive (Upper Left)	
C4	Data Drive (Lower Left)	
C5	Data Drive (Lower Center)	
C6	Data Drive (Lower Right)	
H3	Speaker terminal	
S1	Power switch	
SS2	Sustain out (Upper)	
SS3	Sustain out (Lower)	
V1	LED (stand-by / Power on) & Remote receiver	※1
V2	Key switch	※1
PB	Fan control	※1
P	Line filter, Power supply	※1
HX	PC / RS-232C	
HB	BNC Composite Video	

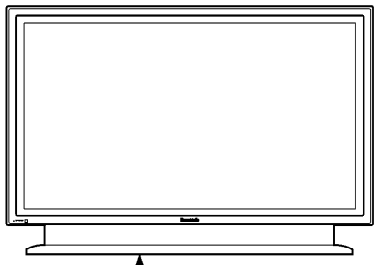
Remarks

※1: Recommend PCB's for initial service for GPH8D chassis.

6. Service Hint

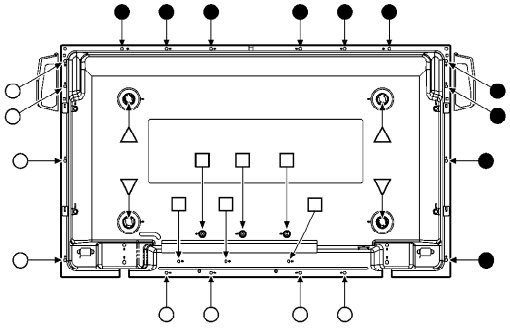
[How to set the plasma unit for servicing]

Place the plasma unit on the pedestal stand.
(Optional Accessory)

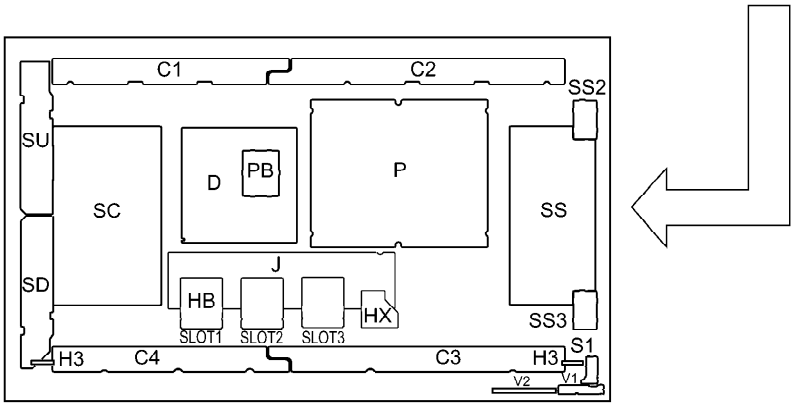


Pedestal Stand

Remove the Back Cover



Remove : 4 screws (△) XYN8+F20FJK
6 screws (□) THEL0239
8 screws (○) XYC4+FJ35FJK
10 screws (●) THEL0439



P.C.Boards Location

Note:

- Extension cable kit Slot Board is supplied as service fixtures and tools. / (Parts No. TZSC0704)

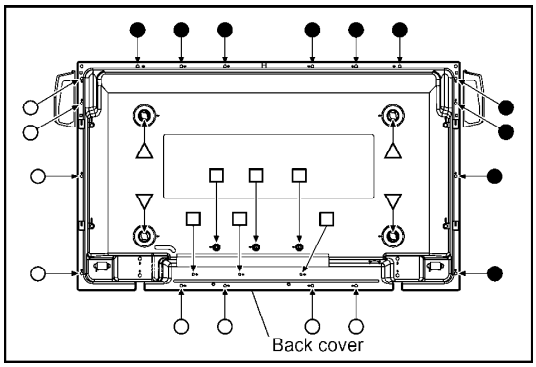
7. Disassembly

- To disassemble P.C.B. , wait for 1 minute after power was off for discharge from electrolysis capacitors.

- ⬆ and ⇧ marks indicate screw positions.

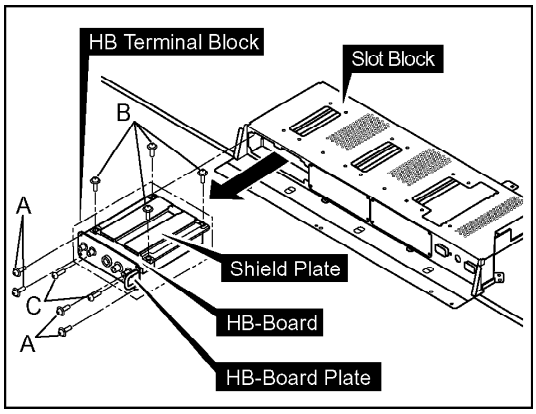
7.1. Removal of the Back Cover

1. Remove the screws (×8 ○, ×4 △ ,×6 □, ×10 ●) and then remove the Back Cover.



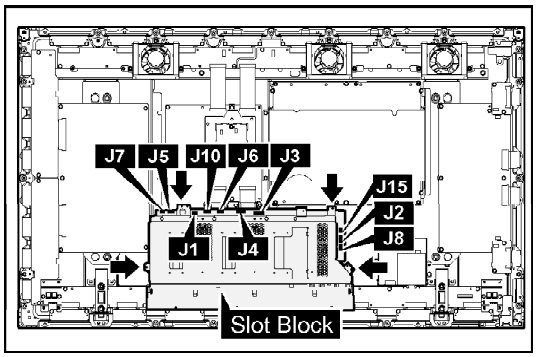
7.2. Removal of the HB-Board

1. Remove the 4 screws(A) and then remove the HB Terminal Block.
2. Remove the 4 screws(B).
3. Remove the 2 screws(C) and then remove the HB-Board.



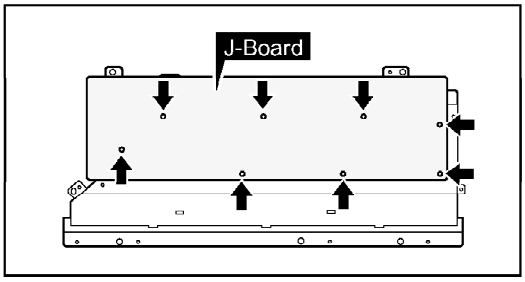
7.3. Removal of the Slot Block

1. Disconnect the couplers (J1, J2, J3, J4, J5, J6, J7, J8, J10, J15).
2. Remove the 4 screws and then remove the Slot Block.



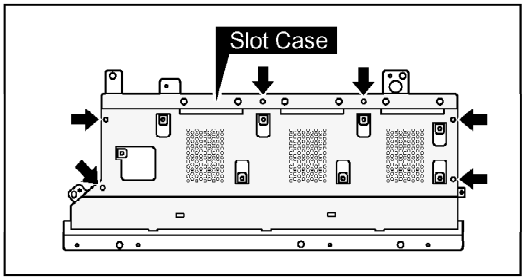
7.4. Removal of the J-Board

1. Remove the HA Terminal Block and the HB Terminal Block.
   (Reference to Removal of the HA-Board and the HB-Board)
2. Remove the Slot Block.
   (Reference to Removal of the Slot Block)
3. Remove the 8 screws and then remove the J-Board.

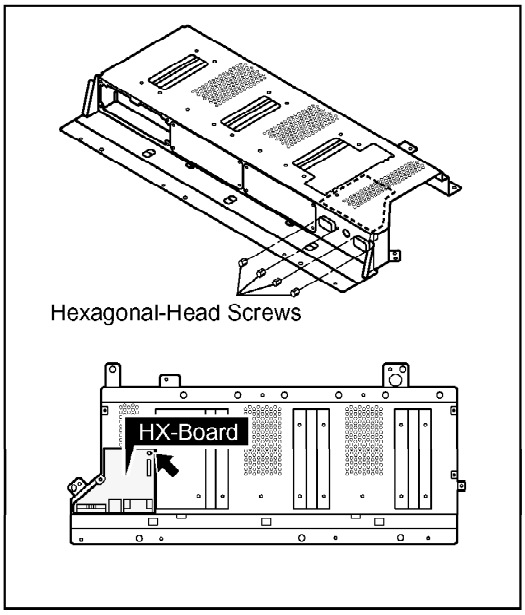


7.5. Removal of the HX-Board

1. Remove the HA Terminal Block and the HB Terminal Block.
   (Reference to Removal of the HA-Board and the HB-Board)
2. Remove the Slot Block.
   (Reference to Removal of the Slot Block)
3. Remove the J-Board.
   (Reference to Removal of the J-Board)
4. Remove the 6 screws and then remove the Slot Case.



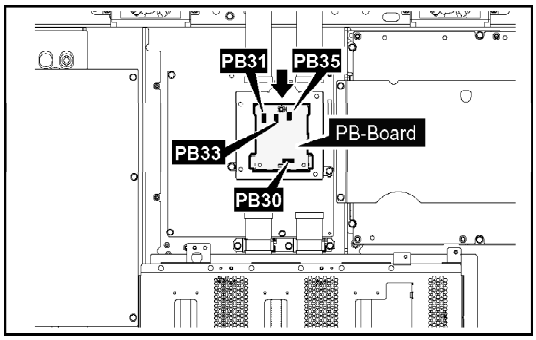
5. Remove the 4 Hexagonal-Head screws and the 1 screw and then remove the HX-Board.



7.6. Removal of the PB-Board

1. Disconnect the couplers(PB30, PB31, PB33, PB35)

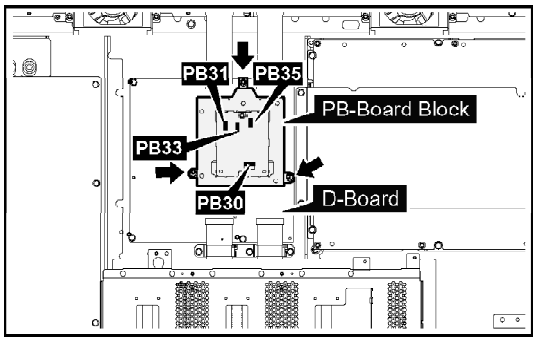
2. Remove the 1 screw and then remove the PB-Board.



7.7. Removal of the D-Board

1. Disconnect the couplers(PB30, PB31, PB33, PB35).

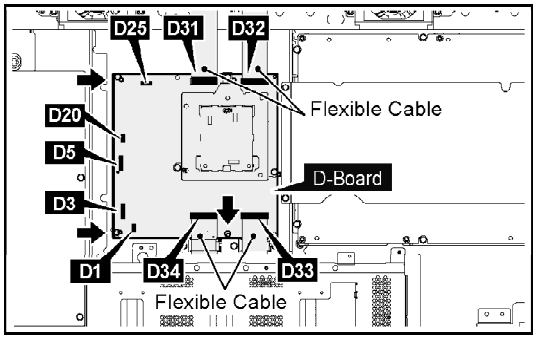
2. Remove the 3 screws and then remove the PB-Board Block.



3. Disconnect the couplers(D1, D3, D5, D20, D25).

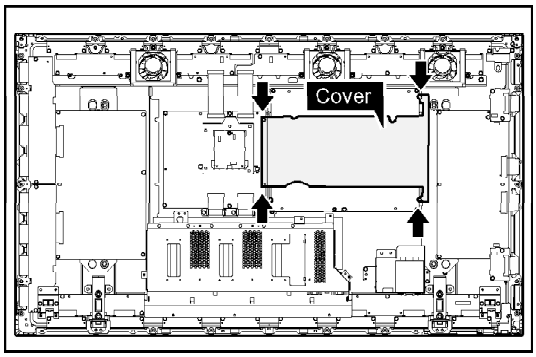
4. Remove the Flexible Cable from the couplers (D31, D32, D33, D34).

5. Remove the 3 screws and then remove the D-Board.



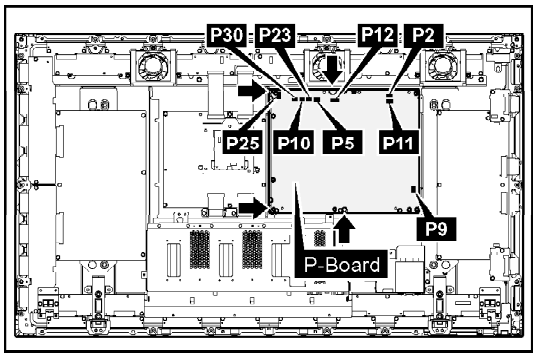
7.8. Removal of the P-Board

1. Remove the 4 screws and then remove the Cover.



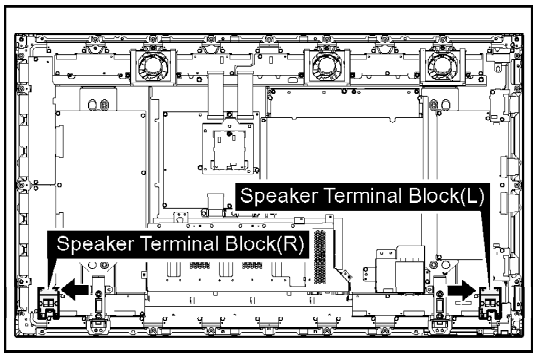
2. Disconnect the couplers(P2, P5, P9, P10, P11, P12, P23, P25, P30).

3. Remove the 4 screws and then remove the P-Board.

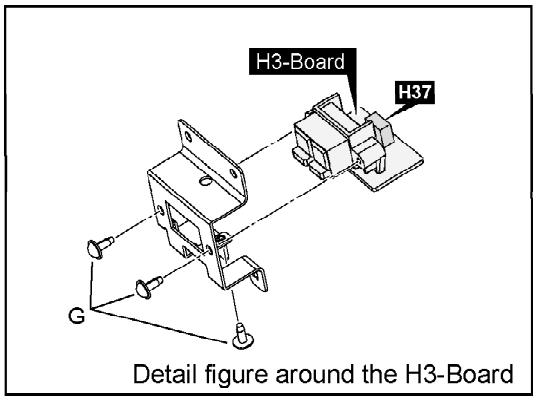


7.9. Removal of the H3-Board(L, R)

1. Remove the each 1 screw and then remove the Speaker Terminal Block(L, R).



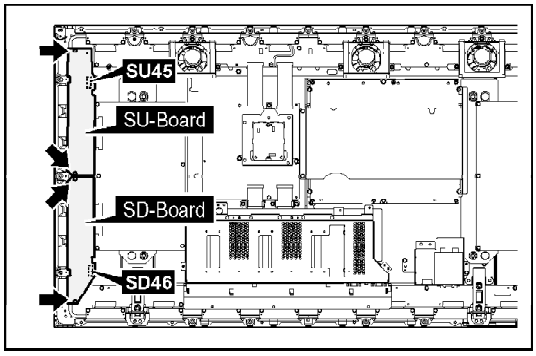
2. Disconnect the coupler(H37).
3. Remove the 3 screws(G) and then remove the H3-Board.



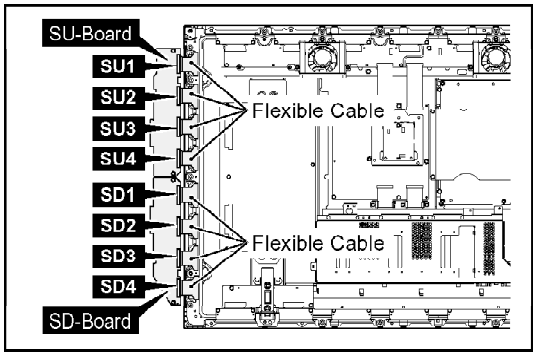
7.10. Removal of the SU-Board and the SD-Board

1. Remove the Speaker Terminal Block(R).
   (Reference to Removal of the H3-Board(L, R))
2. Remove the each 2 screws.
3. Slide the SU-Board and the SD-Board to the left.

4. Disconnect the couplers(SU45, SD46).

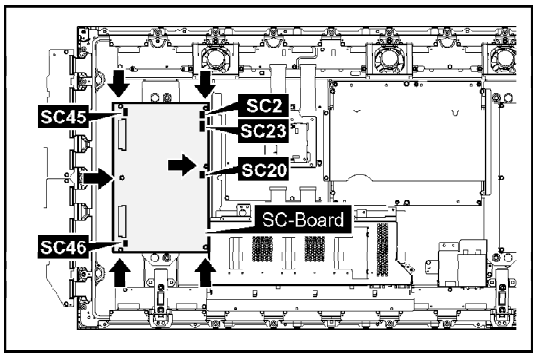


5. Remove the Flexible Cable from the couplers(SU1, SU2, SU3, SU4) and then remove the SU-Board.
6. Remove the Flexible Cable from the couplers(SD1, SD2, SD3, SD4) and then remove the SD-Board.



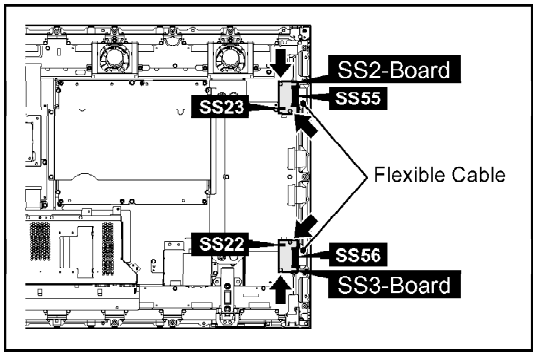
7.11. Removal of the SC-Board

1. Remove the Speaker Terminal Block(R).
   (Reference to Removal of the H3-Board(L, R))
2. Remove the each 2 screws.
3. Slide the SU-Board and the SD-Board to the left.
   (Reference to Removal of the SU-Board and the SD-Board)
4. Disconnect the couplers(SC2, SC20, SC23, SC45, SC46).
5. Remove the 6 screws and then remove the SC-Board.



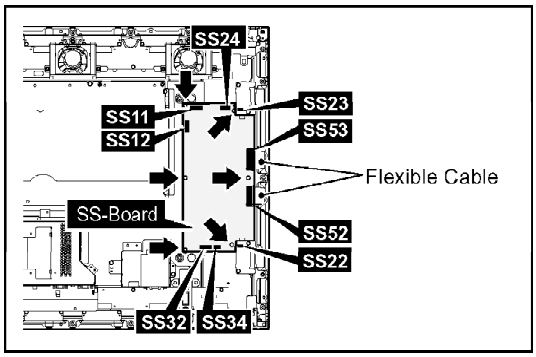
7.12. Removal of the SS2-Board and the SS3-Board

1. Disconnect the coupler(SS23).
2. Remove the Flexible Cable from the coupler(SS55).
3. Disconnect the coupler(SS22).
4. Remove the Flexible Cable from the coupler(SS56).
5. Remove the each 2 screws and then remove the SS2-Board and the SS3-Board.



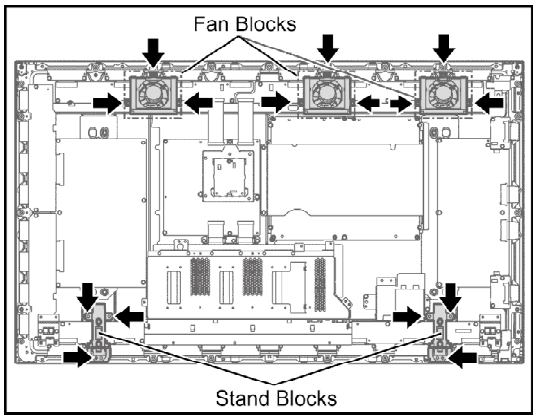
7.13. Removal of the SS-Board

1. Disconnect the couplers(SS11, SS12, SS22, SS23, SS24, SS32, SS34).
2. Remove the Flexible Cable from the couplers(SS52, SS53)
3. Remove the 6 screws and then remove the SS-Board.



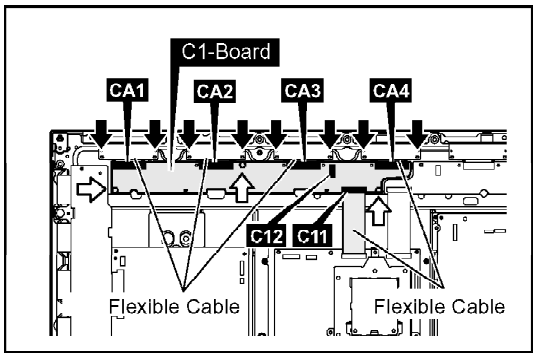
7.14. Removal of the C1, C2, C3 and the C4-Board

1. Remove the Slot Block.
   (Reference to Removal of the Slot Block)
2. Remove the Speaker Terminal Block(L, R).
   (Reference to Removal of the H3-Board(L, R))
3. Remove the each 3 screws and then remove the Fan Blocks.
4. Remove the each 3 screws and then remove the Stand Blocks.



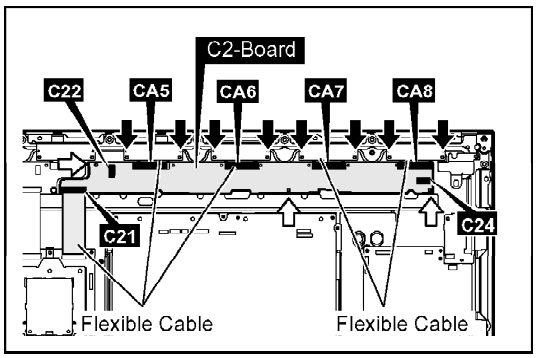
7.14.1. Removal of the C1-Board

1. Remove the Flexible Cable from the coupler(C11) .
2. Disconnect the coupler(C12) .
3. Remove the 8 screws and then remove the Flexible Cable from the couplers(CA1, CA2, CA3, CA4).
4. Remove the each 3 screws and then remove the C1-Board.



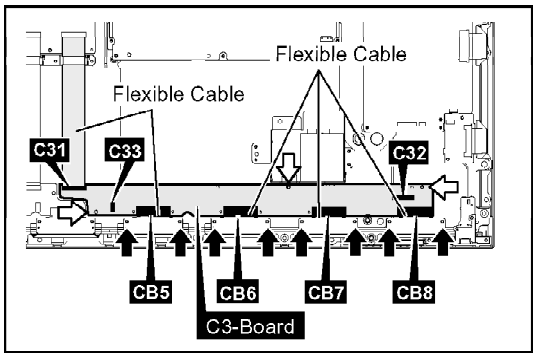
7.14.2. Removal of the C2-Board

1. Remove the Flexible Cable from the coupler(C21).
2. Disconnect the couplers(C22, C24).
3. Remove the 8 screws and then remove the Flexible Cable from the couplers(CA5, CA6, CA7, CA8, C31).
4. Remove the 3 screws and then remove the C2-Board.



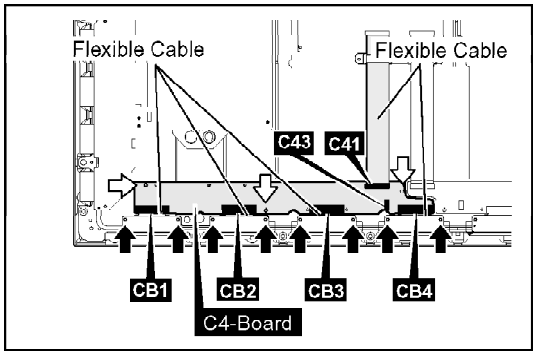
7.14.3. Removal of the C3-Board

1. Remove the Flexible Cable from the coupler(C31).
2. Disconnect the couplers(C32, C33).
3. Remove the 8 screws and then remove the Flexible Cable from the couplers(CB5, CB6, CB7, CB8, C31).
4. Remove the 3 screws and then remove the C3-Board.



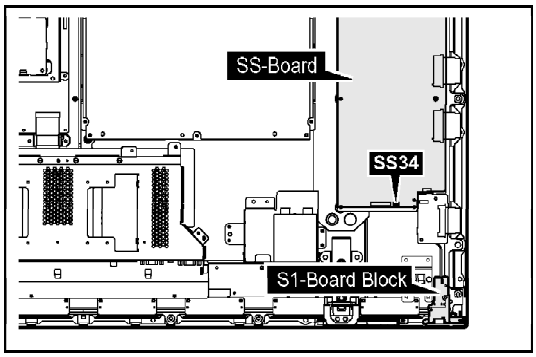
7.14.4. Removal of the C4-Board

1. Remove the Flexible Cable from the coupler(C41).
2. Disconnect the coupler(C43).
3. Remove the 8 screws and then remove the Flexible Cable from the couplers(CB1, CB2, CB3, CB4, C41).
4. Remove the 3 screws and then remove the C4-Board.

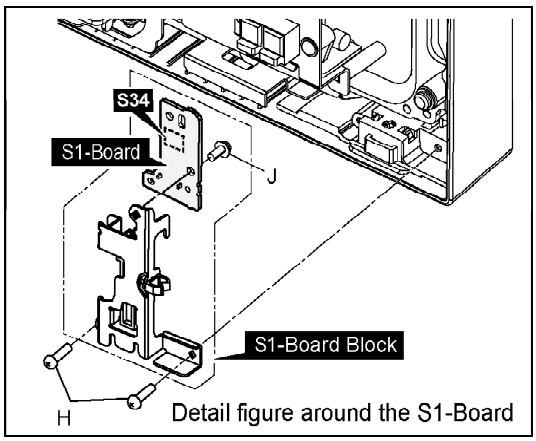


7.15. Removal of the S1-Board

1. Disconnect the coupler(SS34).

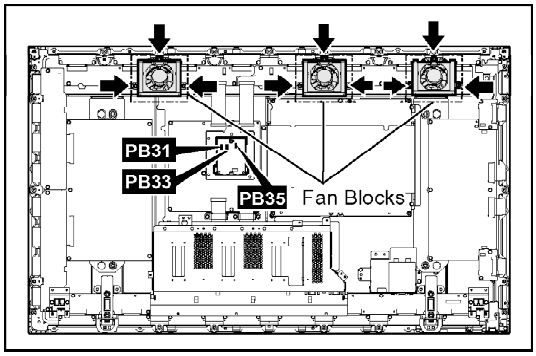


2. Remove the 2 screws(H) and then remove the S1-Board Block.
3. Disconnect the coupler(S34).
4. Remove the 1 screw(J) and then remove the S1-Board.

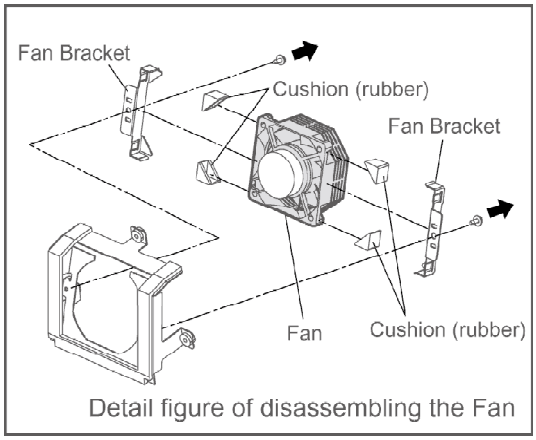


7.16. Removal of the Fan

1. Disconnect the couplers(PB31, PB33, PB35).
2. Remove the each 3 screws and then remove the 3 Fan Blocks.

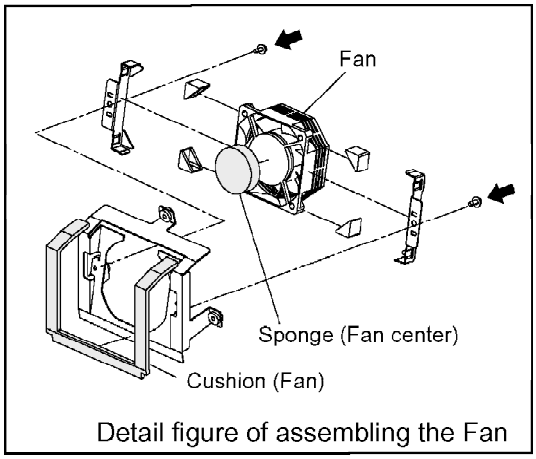


3. Remove the each 2 screws.
4. Remove the each 2 Fan brackets and the each 4 Cushion s(rubber) and then remove the 3 Fans..



5. Reassemble the Fans in reverse order.
6. Stick the Sponge (Fan center) on the central part of the Fan.

7. Stick the Cushion (Fan) around the Fan.



Detail figure of assembling the Fan

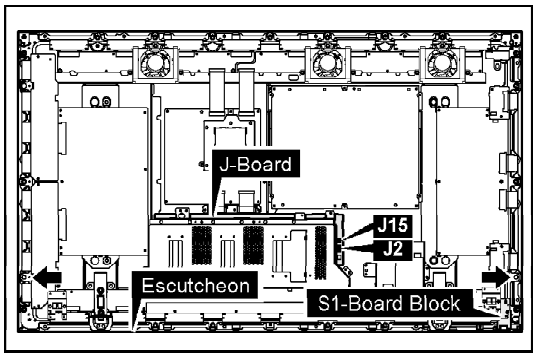
Note:

The Sponge (Fan center) and the Cushion (Fan) are unsuitable to reuse.

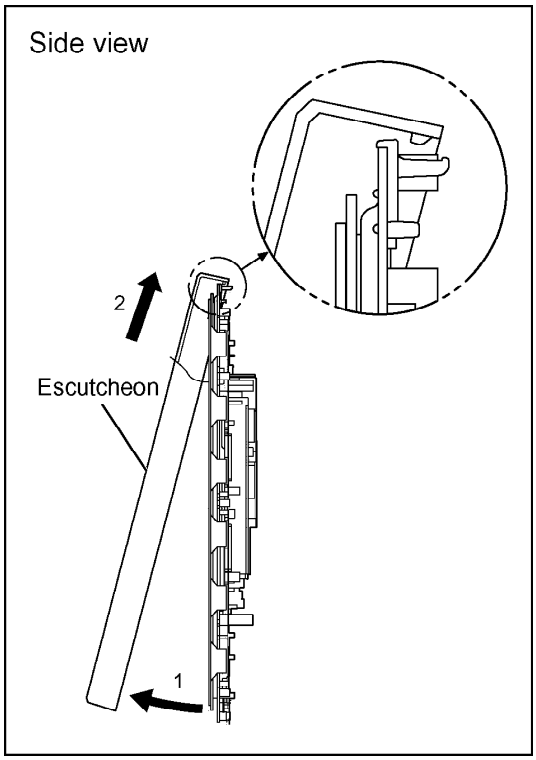
Please use a new one at the time of Fan exchange.

7.17. Removal of the Escutcheon

1. Remove the S1-Board Block.
   (Reference to Removal of the S1-Board)
2. Disconnect the couplers(J2, J15).
3. Remove the 2 screws of the Escutcheon.

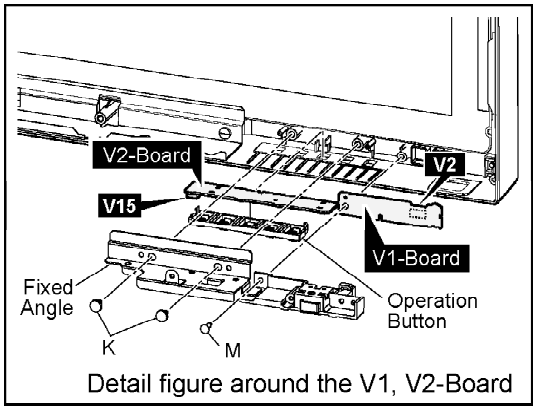


4. Pull the bottom of the Escutcheon in the direction of the arrow1 and then lift up the Escutcheon to remove in the direction of the arrow2.



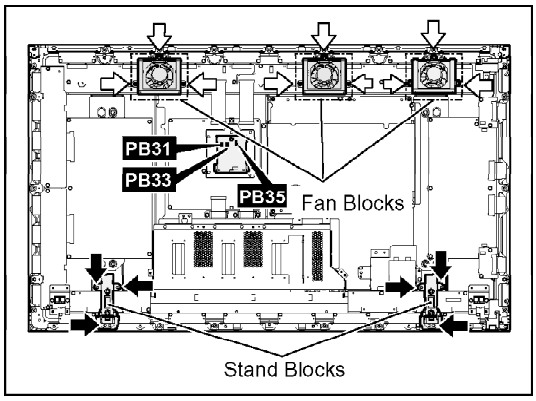
7.18. Removal of the V1-Board and the V2-Board

1. Operate from procedure 1 to procedure 3 of 8.17.
   (Reference to Removal of the Escutcheon)
2. Remove the 2 screws(K) and then remove the Fixed Angle.
3. Remove the 1 screw(M).
4. Remove the operation button from the V2-Board.
5. Disconnect the coupler(V15) and then remove the V2-Board.
6. Disconnect the coupler(V2) and then remove the V1-Board.

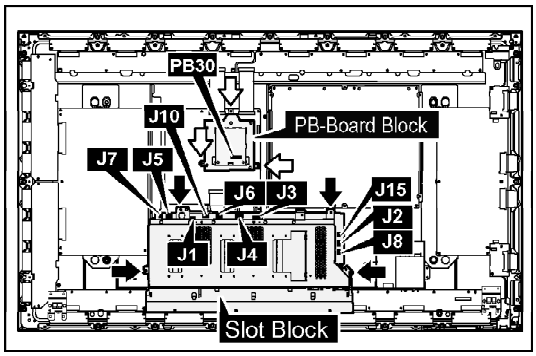


7.19. Removal of the Plasma Panel

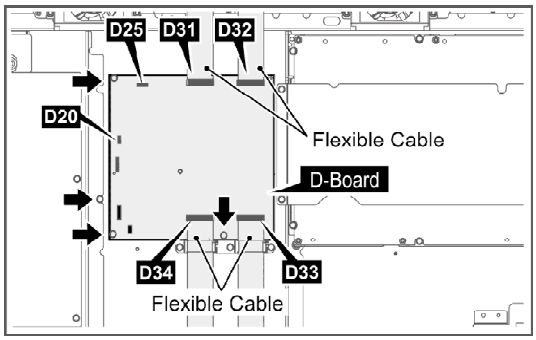
1. Disconnect the couplers(PB31, PB33, PB35).
2. Remove the each 3 screws and then remove the Fan Blocks.
3. Remove the each 3 screws and then remove the Stand Block(L, R).



4. Disconnect the couplers(J1, J2, J3, J4, J5, J6, J7, J8, J10, J15).
5. Remove the 4 screws and then remove the Slot Block.
6. Disconnect the coupler(PB30).
7. Remove the 3 screws and then remove the PB-Board Block.

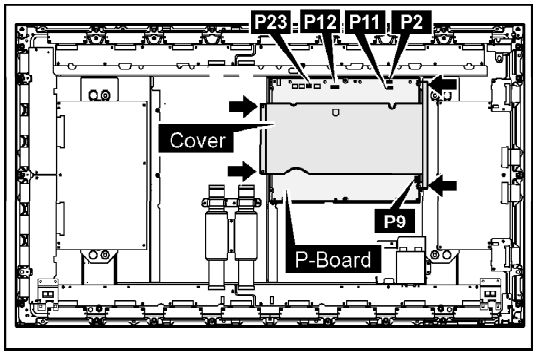


8. Disconnect the couplers(D20, D25).
9. Remove the Flexible Cable from the couplers(D31, D32, D33, D34).
10. Remove the 4 screws and then remove the D-Board.



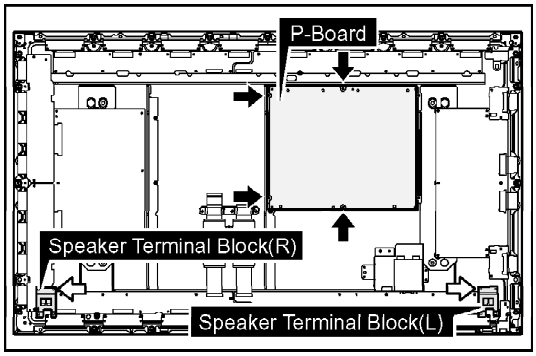
11. Disconnect the couplers(P2, P9, P11, P12, P23) .

12. Remove the 4 screws and then remove the Cover.



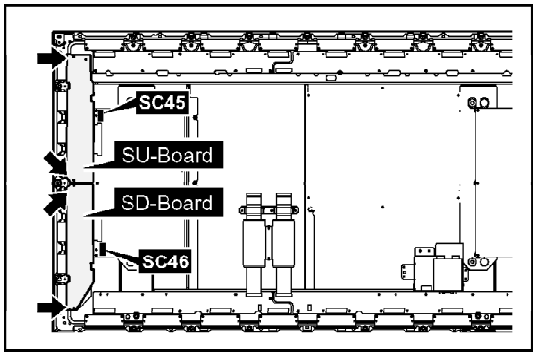
13. Remove the 4 screws and then remove the P-Board.

14. Remove the each 1 screw and then remove the Speaker Terminal Block(L, R).



15. Disconnect the couplers(SC45, SC46).

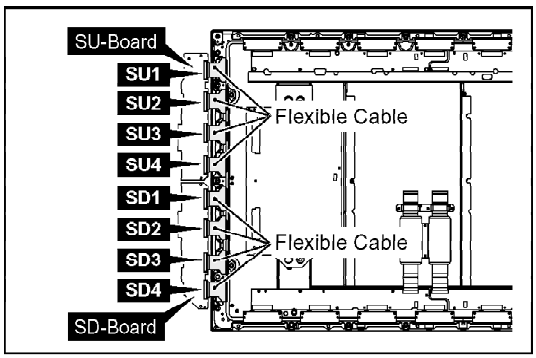
16. Remove the each 2 screws and then slide the SU-Board and the SD-Board to the left.



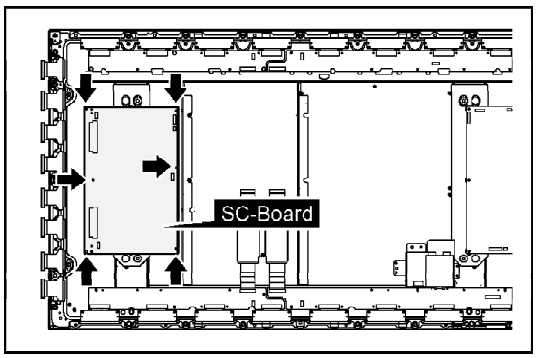
17. Remove the Flexible Cable from the couplers(SU1, SU2, SU3, SU4) and then remove the SU-Board.

18. Remove the Flexible Cable from the couplers(SD1, SD2, SD3,

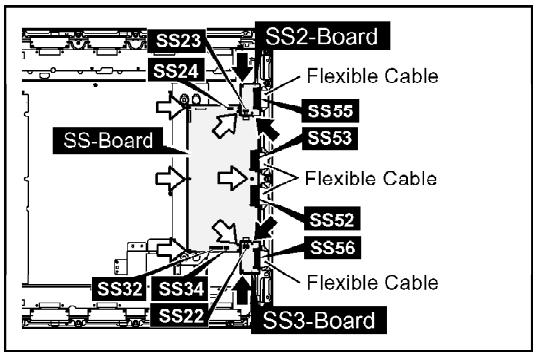
SD4) and then remove the SD-Board.



19. Remove the 6 screws and then remove the SC-Board.



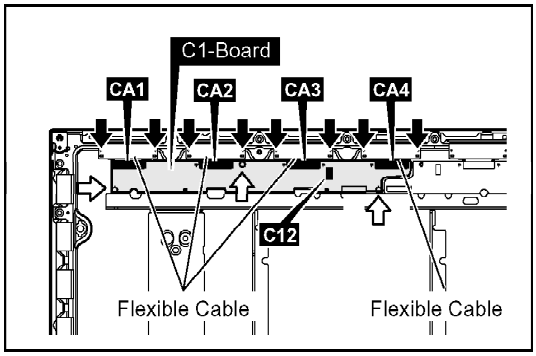
20. Disconnect the coupler(SS23).
21. Remove the Flexible Cable from the coupler(SS55).
22. Remove the 2 screws and then remove the SS2-Board .
23. Disconnect the coupler(SS22).
24. Remove the Flexible Cable from the coupler(SS56).
25. Remove the 2 screws and then remove the SS3-Board.
26. Disconnect the couplers(SS24, SS32, SS34).
27. Remove the Flexible Cable from the couplers(SS52, SS53).
28. Remove the 6 screws and then remove the SS-Board.



29. Disconnect the coupler(C12).

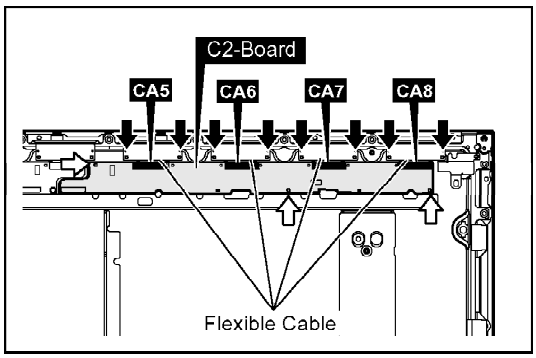
30. Remove the 8 screws and then remove the Flexible Cable from the couplers(CA1, CA2, CA3, CA4).

31. Remove the 3 screws and then remove the C1-Board.



32. Remove the 8 screws and then remove the Flexible Cable from the couplers(CA5, CA6, CA7, CA8).

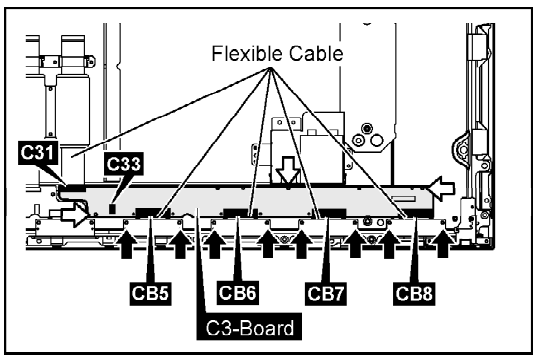
33. Remove the 3 screws and then remove the C2-Board.



34. Disconnect the coupler(C33).

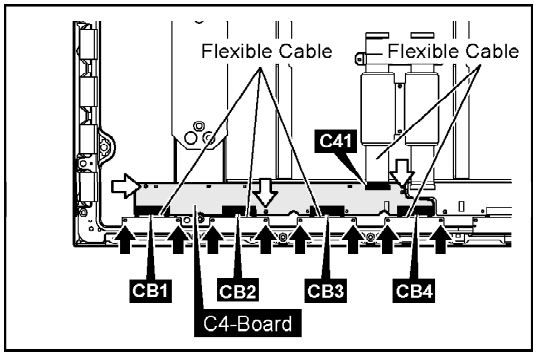
35. Remove the 8 screws and then remove the Flexible Cable from the couplers(CB5, CB6, CB7, CB8, C31).

36. Remove the 3 screws and then remove the C3-Board.



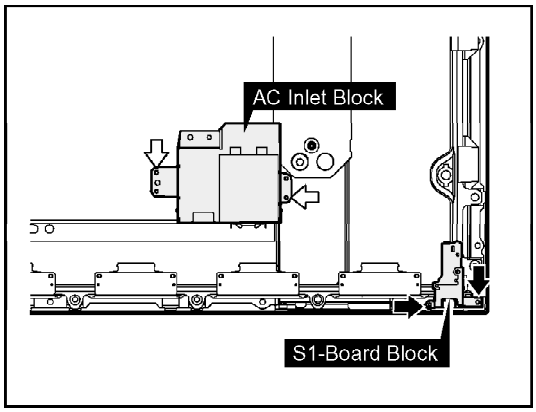
37. Remove the 8 screws and then remove the Flexible Cable from the couplers(CB1, CB2, CB3, CB4, C41).

38. Remove the 3 screws and then remove the C4-Board.



39. Remove the 2 screws and then remove the S1-Board Block.

40. Remove the 2 screws and then remove the AC Inlet Block.

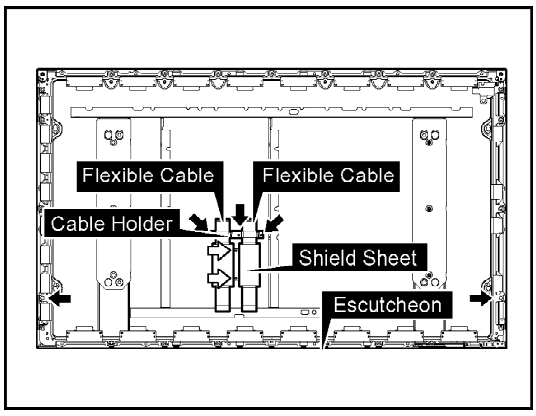


41. Remove the 2 screws and then remove the Shield Sheet.

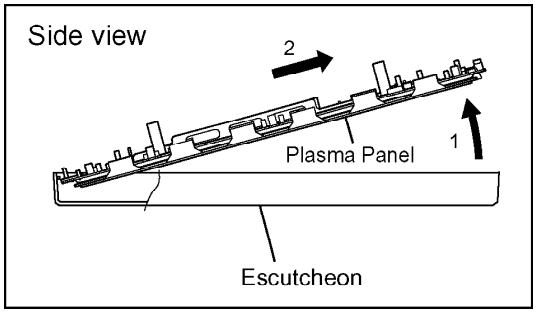
42. Pull out the Flexible Cable.

43. Remove the 3 screws and then remove the Cable Holder.

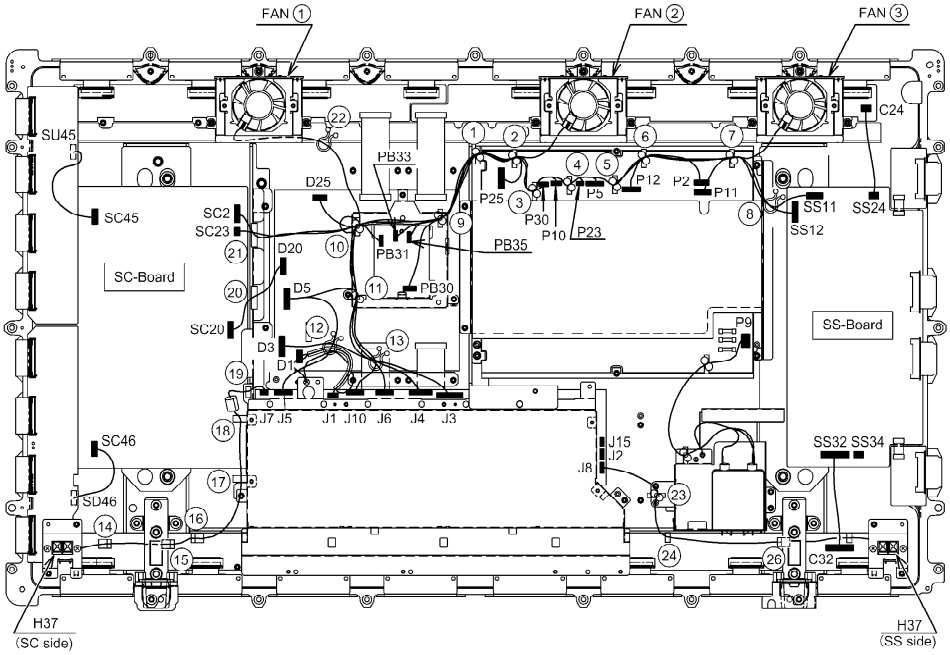
44. Remove the 2 screws of the Escutcheon.



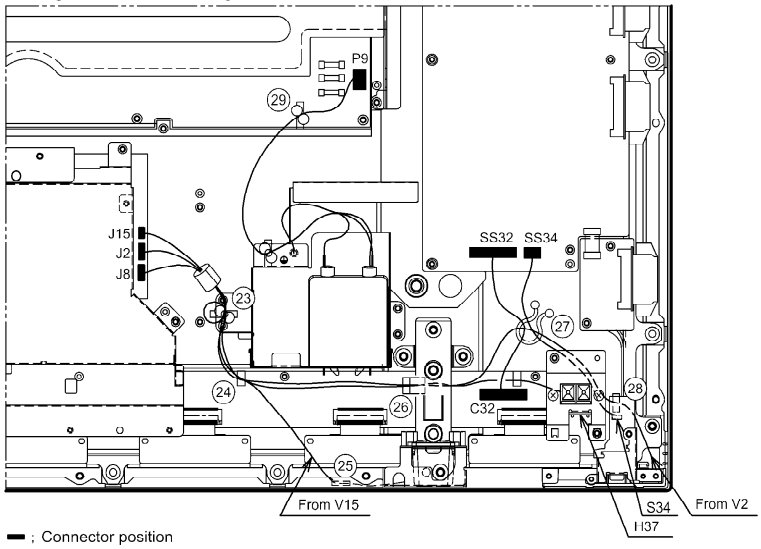
45. Lift up the bottom of the Plasma Panel in the direction of the arrow1 and pull the Plasma Panel in the direction of the arrow2 and then remove the Plasma Panel.



8. Location of Lead Wiring

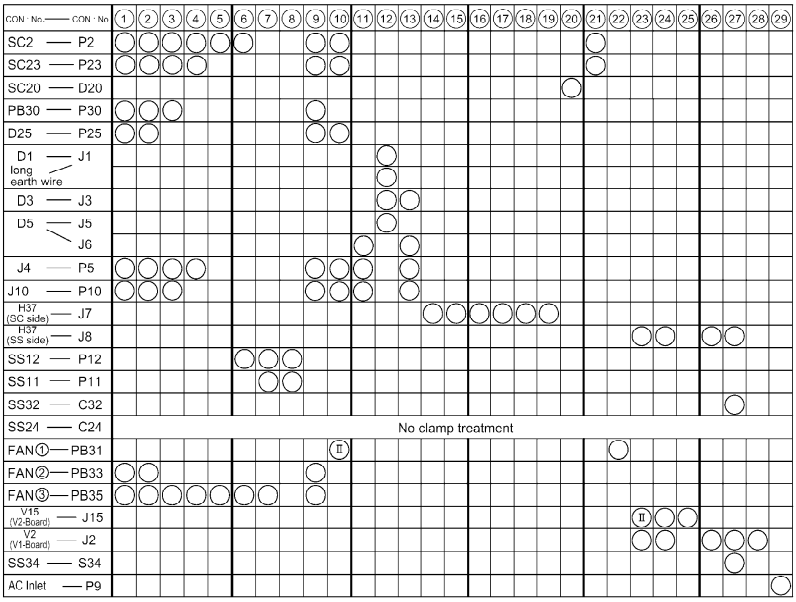


Enlarged view of lower right side



▬ ; Connector position

Clamp position



9. Adjustment Procedure

9.1. Driver Set-up

9.1.1. Item / Preparation

1. Set the picture adjustment items as follows.

- **Picture menu : Standard**
- **Color temperature : Normal**
- **Picture : 25**
- **Aspect : Full**

2. Input a white signal of the RGB signal generator.

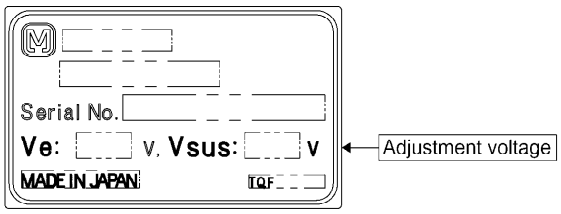
9.1.2. Adjustments

Adjust driver section voltages referring the panel data on the panel data label.

Name	Test Point	Voltage	Volume	Remarks
Vsus	TPVSUS (SS)	188V ± 2V	VR351 (P)	*
Ve	TPVE (SS)	160V ± 1V	VR6145 (SS)	*
Vda	TPVDA (SS)	70V ± 1V	Fixed	
Vad	TPVAD (SC)	-105V ± 1V	VR6477(SC)	
Vscn	TPVSCN (SC)	Vad + 130V ± 4V	Fixed	
Vset	TPVSET (SC)	240V ± 7V	Fixed	

*See the Panel label.

Panel Label information



Caution

1. First perform Vsus voltage adjustment.
2. Confirmation of Vscn voltage should be performed after confirmation of Vad voltage adjustment.
   When Vad = -105V, Voltage of Vscn is 25V ± 4V.

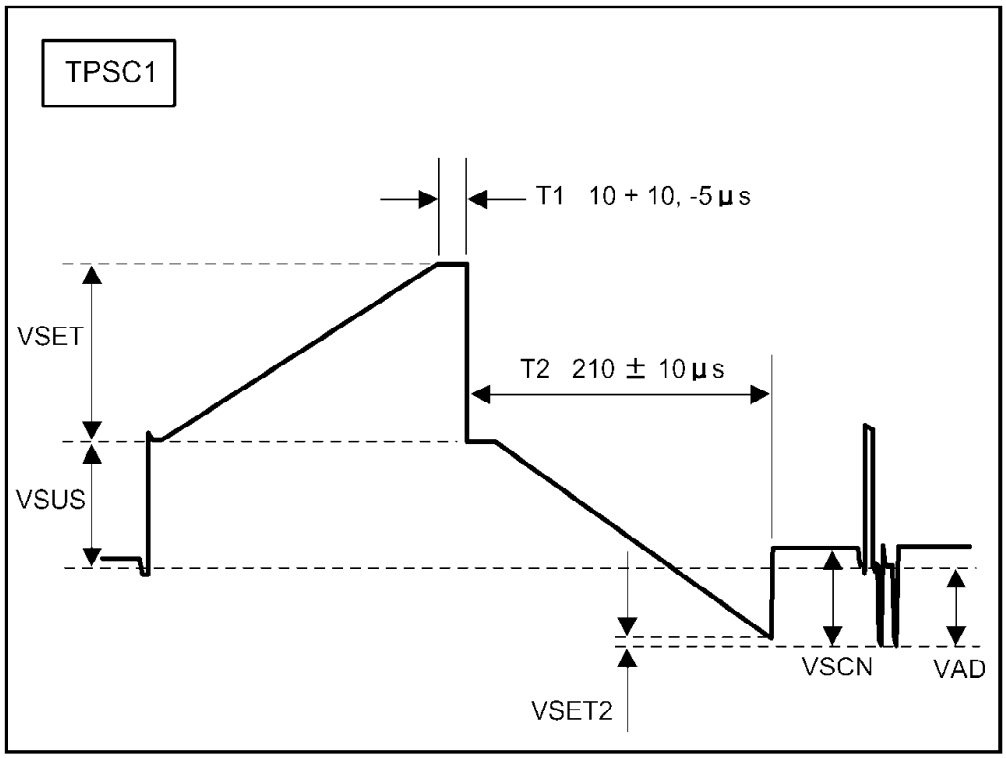
9.2. Initialization Pulse Adjust

1. Input a white signal to plasma video input.
2. Set the picture adjustment items as follows.

   - Picture menu : Standard
   - Color temperature : Normal
   - Picture : 25
   - Aspect : Full

3. Connect Oscilloscope to TPSC1 (T1) and adjust VR6523 for 10 + 10 / -5 μ Sec.
4. Connect Oscilloscope to TPSC1 (T2) and adjust VR6557 for 210 ± 10 μ Sec.

	Test point	Volume	Level	Remarks
T1	TPSC1 (SC)	VR6523(SC)	10 + 10 / -5 μ Sec	
T2	TPSC1 (SC)	VR6557 (SC)	210 ± 10 μ Sec	



9.3. P.C.B. (Printed Circuit Board) exchange

9.3.1. Caution

1. To exchange P.C.B. , wait for 1 minute after power was off for discharge from electrolysis capacitors.

9.3.2. Quick adjustment after P.C.B. exchange

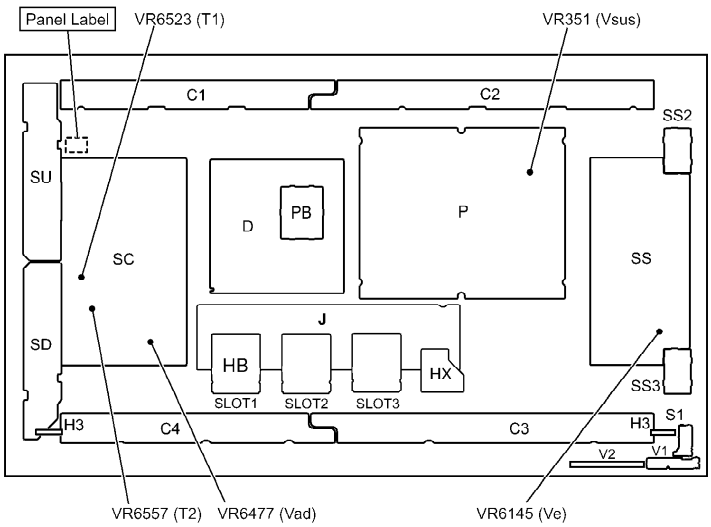
P.C.B.	Name	Test Point	Voltage	Volume	Remarks
P Board	Vsus	TPVSUS (SS)	188V ± 2V	VR351 (P)	*
SC Board	Vad	TPVAD (SC)	-105V ± 1V	VR6477 (SC)	
	Vset	TPVSET (SC)	240V ± 7V	Fixed	
	Vscn	TPVSCN (SC)	Vad + 130V ± 4V	Fixed	
SS Board	Ve	TPVE (SS)	160V ± 1V	VR6145 (SS)	*
	Vda	TPVDA (SS)	70V ± 1V	Fixed	
D, J Board	White balance, Pedestal and Sub brightness for NTSC, PAL, HD, PC and 625i signals				

***See the Panel label.**

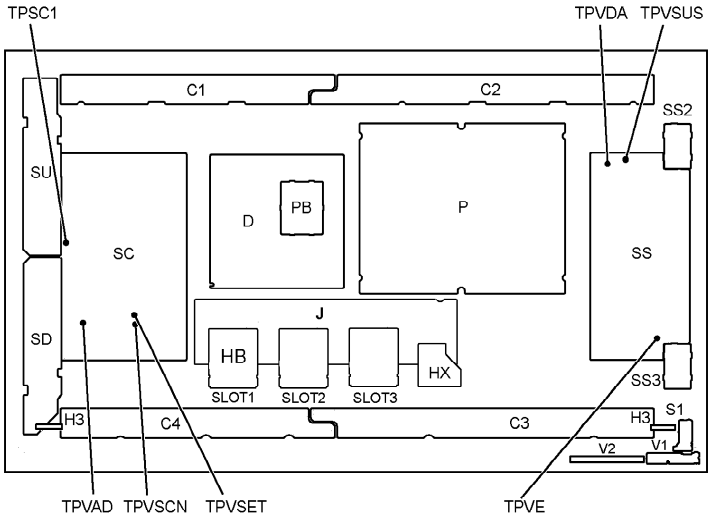
Caution:

Absolutely do not reduce Vsus below Ve not to damage the P.C.B.

9.4. Adjustment Volume Location



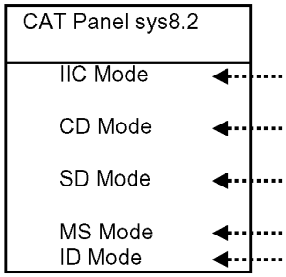
9.5. Test Point Location



10. Service mode

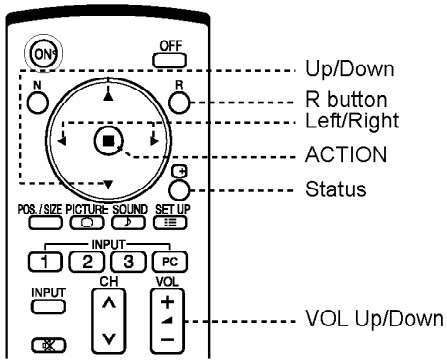
10.1. CAT (computer Aided Test) mode

CAT mode menu



Mode	Function	Access button
IIC	Service Alignment	Action
CD(Complete Diagnostics)	Software version information EEPROM edit	Mute more than 5 seconds
SD(Status Display)	MTBF parameter	Action
MS Mode	Not use	----
ID Mode	Not use	----

Remote control



How to access the CAT mode.

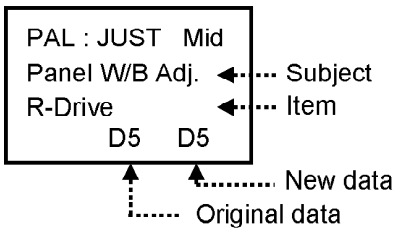
Press and the hold the **Volume down / - button** on the front panel of the unit and press the **status button** on the remote control 3 times quickly within 2 seconds, this will place the unit into the CAT mode.

To exit the CAT mode, access the ID mode and switch off the main power.

10.1.1. IIC mode

Select the IIC mode by Up/Down button on the remote control at the front page of CAT mode and then press the Action button on the remote control.

OSD



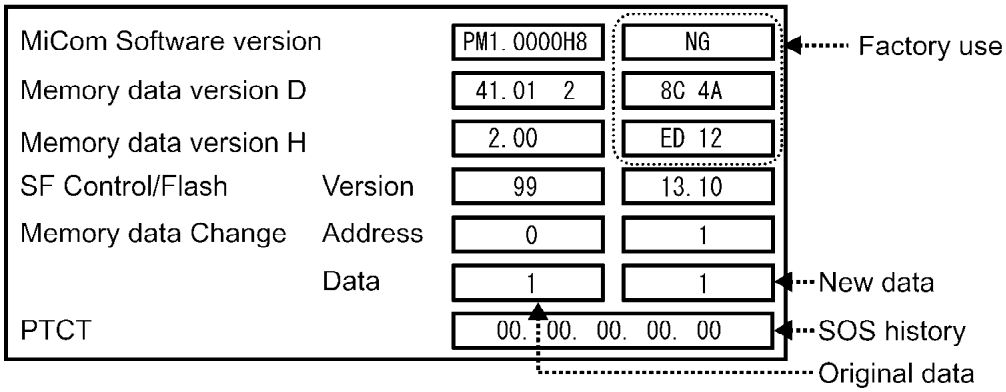
How to use the IIC mode.

1. Select the alignment **Subject** by **Up/Down buttons** on the remote control.
2. Select the alignment **Item** by **Left/Right buttons** on the remote control.
3. Adjust **optimum setting** by **Volume Up/Down buttons** on the remote control.
4. The **data is memorized** when press the **R button** on the remote control or change the alignment Subject (or Items).

Subject and item are mentioned on "IIC mode structure".
To exit the IIC mode, press the R button on the remote control.

10.1.2. CD mode

Select the CD mode by Up/Down button on the remote control at the front page of CAT mode and then press the Mute button on the remote control more than 5 seconds.

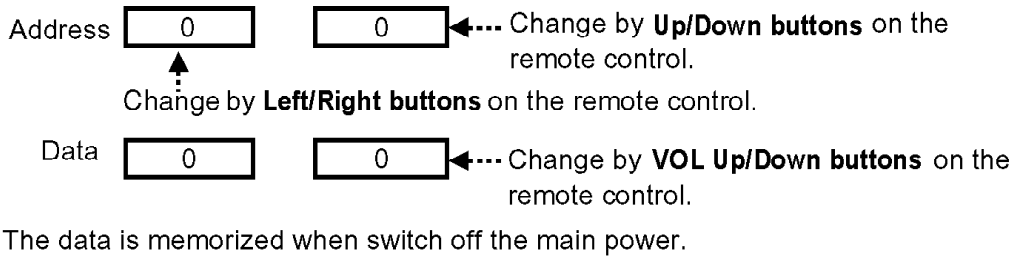


Micom software version (IC9702), this version can be upgrade by

1. replace of new version IC

2. Loading the new version software from loader tool, TZSC07036.

Memory data change

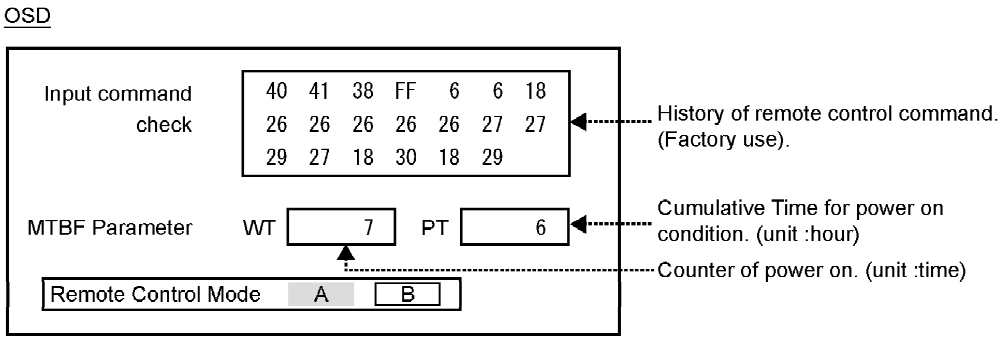


The data is memorized when switch off the main power.

To exit the CD mode, press the R button on the remote control.

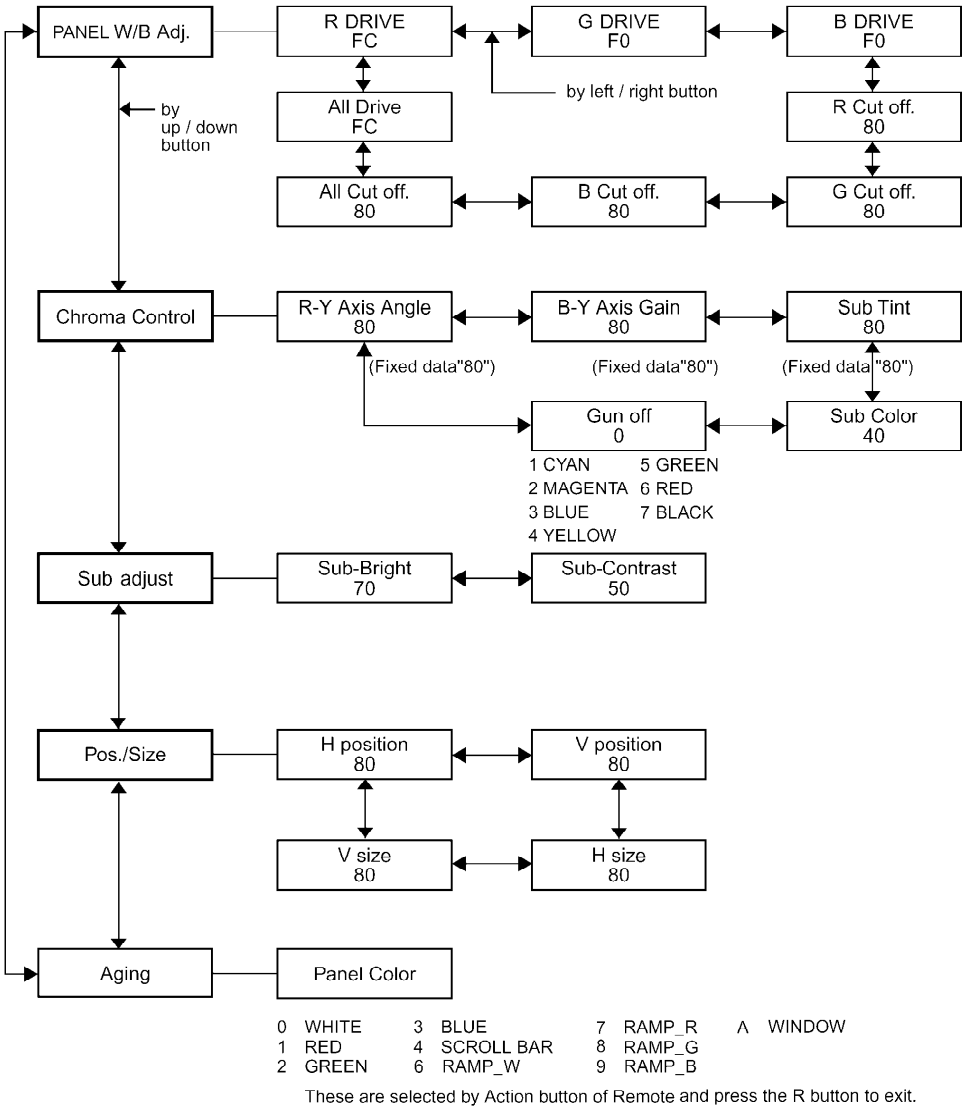
10.1.3. SD mode

Select the SD mode by Up/Down button on the remote control at the front page of CAT mode and then press the Action button on the remote control.



To exit the SD mode, press the R button on the remote control.

10.2. IIC mode structure (following items value is sample data.)



11. Alignment

11.1. PC / RGB panel white balance

11.2. HD / 525ip / 625ip panel white balance

12. Trouble shooting guide

12.1. Self Check

12.1.1. Display Indication

1. Self-check is used to automatically check the bus line controlled circuit of the Plasma display.

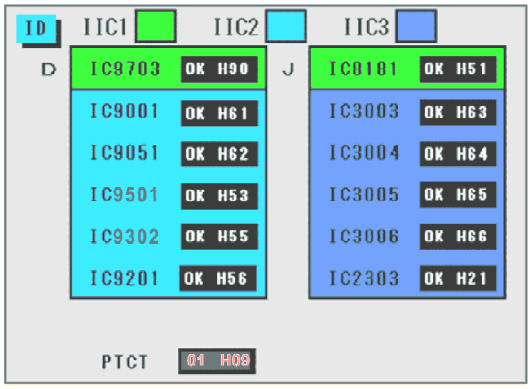
2. To get into the Self-check mode, press the volume down button on the customer controls at the bottom of the set, at the same

time pressing the OFF-TIMER button on the remote control, and the screen will show :-

If the CCU ports have been checked and found to be incorrect
Or not located then " - - " will appear in place of " OK "
“ 01 “ in the line of the “ PTCT ” means the number of blinks of the Power LED is 1. (Reference to 12.1.2)
“ H09 “ in the line of the “ PTCT ” is the error code.

Note:

The line of the “ PTCT ” displays when you get into the Self-check mode for the first time only after the Power LED blinks.



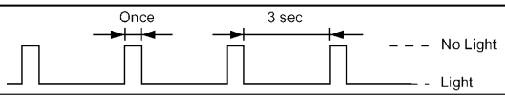
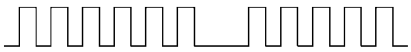
12.1.2. Power LED Blinking timing chart

1. Subject

Information of LED Blinking timing chart.

2. Contents

When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinks of the Power LED on the front panel of the unit.

Blinking times	Blinking timing	Contents & Check point
1		Data SOS
2		SCAN Driver1
3		3.3V SOS
4		5V SOS
5		Power SOS
6		FAN
7		SCAN Driver2
9		SUS Driver

3. Remarks

Above Fan function is operated during the fans are installed.

12.2. No Power

[First check point]

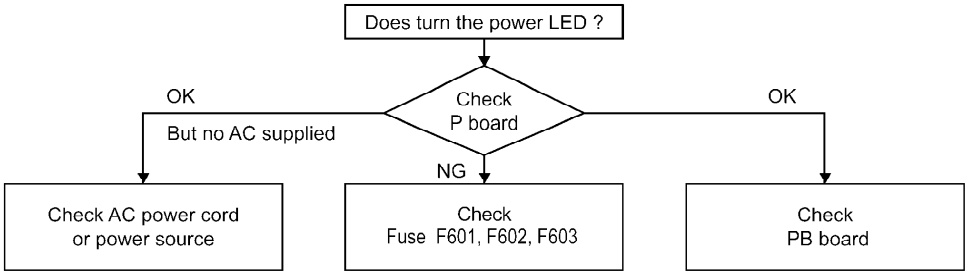
There are following 3 states of No Power indication by power LED.

1. No lit.

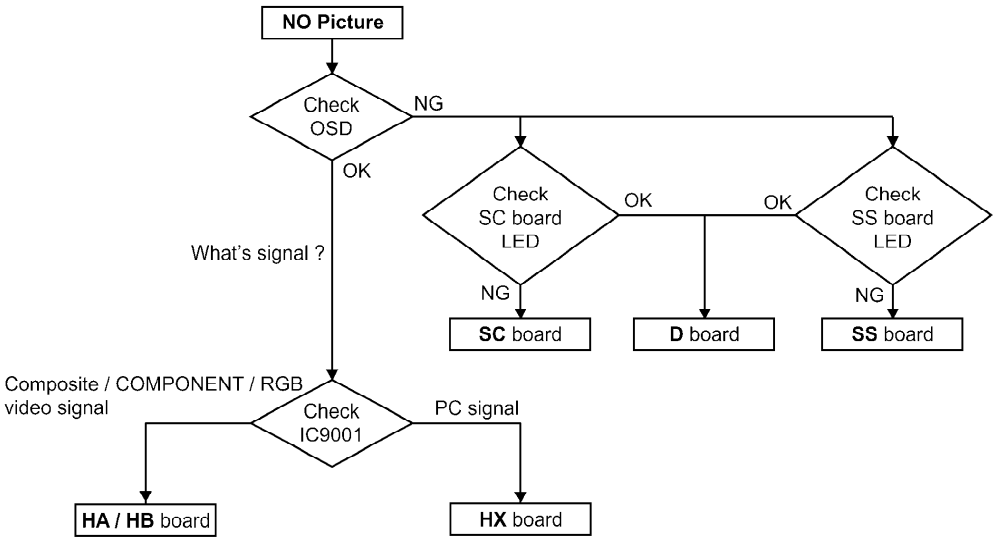
2. Green is lit then turns red blinking a few seconds later.

3. Only red is lit.

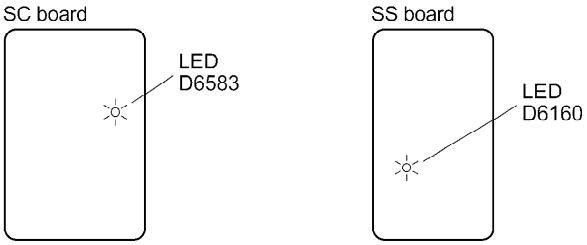
1. No lit.



12.3. No Picture



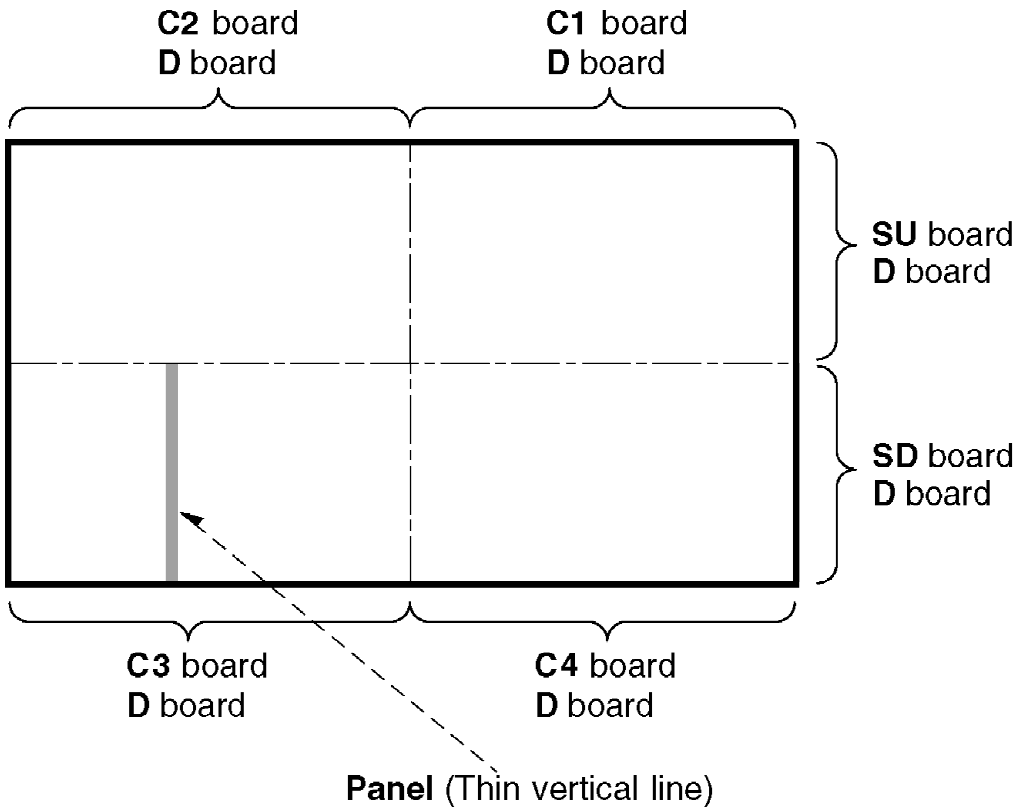
Drive circuits LED indicator



12.4. Local screen failure

Plasma display may have local area failure on the screen. Fig - 1 is the possible defect P.C.B. for each local area.

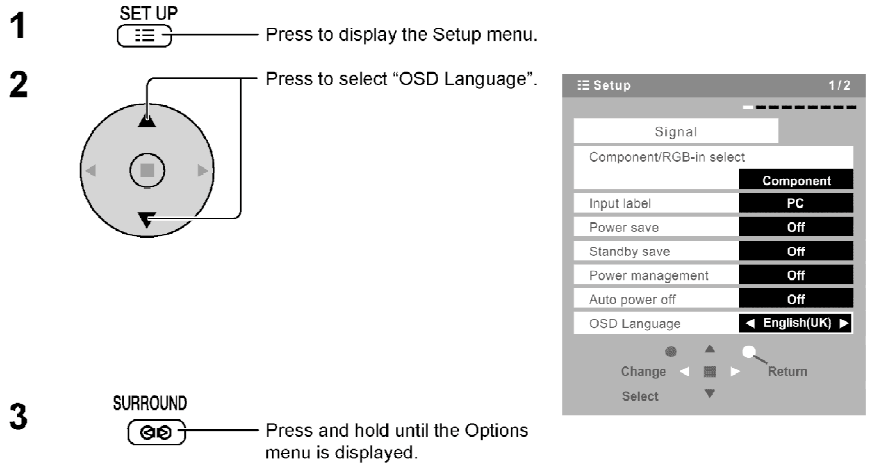
Fig - 1



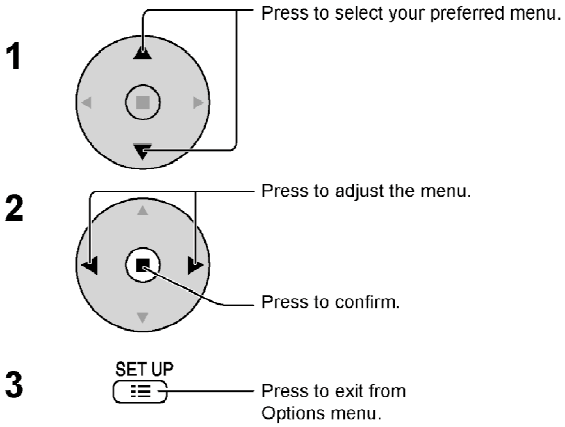
<Local screen failure chart>

13. Option Setting

How to access the Option menu



Setting the Option menus



Option Menu for GPH8D series

GPH8D chassis series have special function and operation setting facility called Option Menu. This Option Menu is useful for special function required customers. This should be set at the installation stage.

Option menus	default setting	Contents
Off-timer function	Enable	Off-timer operation Enable/Disable.
Onscreen display	On	Enable/Disable to display input mode indication af power on and no signal indication.
Initial INPUT	Off	Sets the initial input mode when the power is turn Allow input mode selection while power is on.
Initial VOL level	Off	Sets the initial volume level when the power is tur Allow Volume control while power is on.
Maximum VOL Level	Off	Sets the maximum volume to desired level. Volum cannot exceed this level.
INPUT lock	Off	Fixes the input mode to AV, Component/RGB or P not change input mode by input selection key.
Studio W/B	Off	Set warm mode color temperature to 3,200 Kelvin.
Advanced PIP	Off	Off : Sets normal two screen display mode. On : Sets Advanced PIP mode.
Display size	Off	Adjusts the image display size on screen. On : Sets the image display size approximately 95 normal image display.
Button lock	Off	Enable/Disable bottom operation buttons (Input, M Enter and/or volume up/down)
Remocon User Level	Off	Remote key invalidation. Off : Valid key is all key of remote. User1 : Valid key are only Stand-by (ON/OFF), Inpu input, Status, Surround, Sound mute On/Off, and v adjustment. User2 : Valid key is only Stand-by (ON/OFF). User3 : All keys are null and void
ID select	0	Set ID number from 0 to 100.
Remote ID	Off	Remote ID function On/Off. (While the Remote ID on, standard remote functio not control the unit.)
Serial ID	Off	Serial ID function On/Off
Slot power	Off	Sets the slot power mode while the power is turne Allow Optional Terminal Board insert Slots while p on.
V. Installation	Off	V. Installation function On/Off This mode is available for TH-42PHD8EK/ES/BK/B Note:Turn up the power switch for the upward dire when you set display vertically.
Rotate	Off	The image rotates 180 degrees (up-down)

Note :
When both main unit buttons and remote control are disabled due to the “Button lock”, “Remocon User level” or “RemoteID” adjustments, set all the values “Off” so that all the buttons are enabled again.

Press the “Volume down” button on main unit together with “R“ button on the remote control and hold for more than 5 seconds. The “SHIPPING” menu is displayed and the lock is released when it disappears.

14. Circuit Board Layout

14.1. P-Board

14.2. PB-Board

14.3. HB-Board

14.4. HX-Board

14.5. J-Board

14.6. D-Board

14.7. C1-Board

14.8. C2-Board

14.9. C3-Board

14.10. C4-Board

14.11. SC-Board

14.12. SU-Board

14.13. SD-Board

14.14. SS, SS2 and SS3-Board

14.15. H3, S1, V1 and V2-Board

15. Block and Schematic Diagram

15.1. Schematic Diagram Notes

Important Safety Notice

Components identified by △ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

Notes:

1. **Resistor**
   Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
2. **Capacitor**
   Unit of capacitance is μF, unless otherwise noted.
3. Coil
   Unit of inductance is H, unless otherwise noted.
4. Test Point
   ⏚ : Test Point position
5. Earth Symbol
   ⏚ : Chassis Earth (Cold) ⏚ : Line Earth (Hot)
6. Voltage Measurement
   Voltage is measured by a DC voltmeter.
   Conditions of the measurement are the following:
   Power Source ..... AC220 - 240V, 50/60Hz
   Receiving Signal ..... Colour Bar signal (RF)
   All customer's controls ..... Maximum positions
7. When arrow mark (↗) is found, connection is easily found from the direction of arrow.
8. Indicates the major signal flow. : Video ➡ Audio ⇨
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

TH-42PHD8BK/BS/EK/ES
Schematic Diagram Notes

Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the follwing precautions.
   All circuits, except the Power Circuit, are cold.
   Precautions
   a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
   b. Do not short circuit the hot and cold circuits or a fuse may blow and parts may break.
   c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
      Connect the earth of instruments to the earth connection of the circuit being measured.
   d. Make sure to disconnect the power plug before removing the chassis.

TH-42PHD8BK/BS/EK/ES
Schematic Diagram Notes

15.2. Main Block Diagram

15.3. P-Board Block Diagram

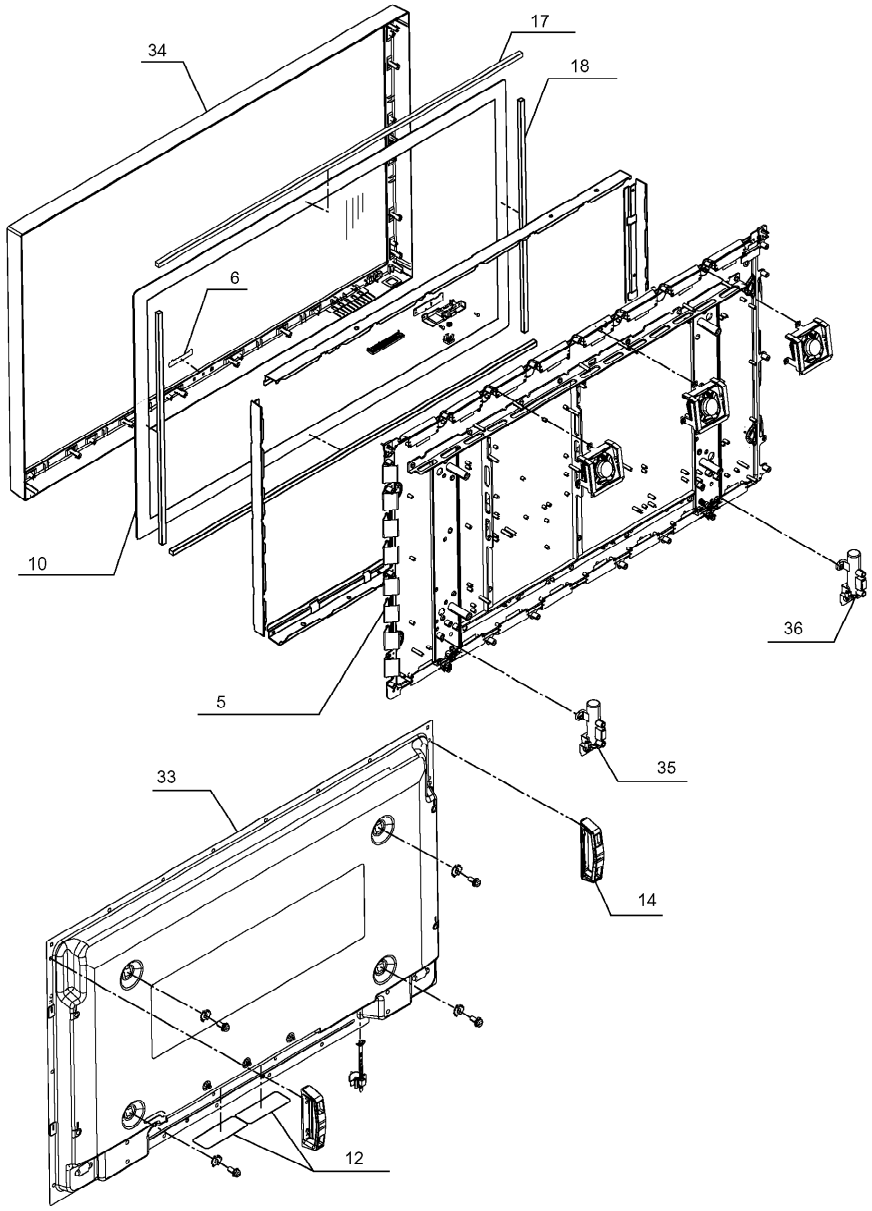
15.4. P-Board (1 of 2) Schematic Diagram

15.5. P-Board (2 of 2) Schematic Diagram

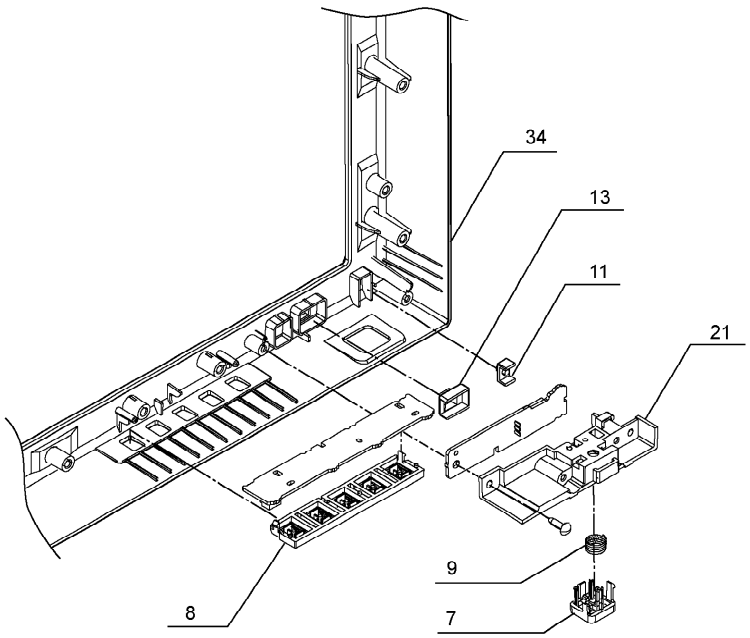
15.6. PB-Board Block and Schematic Diagram

15.7. HB-Board Block Diagram
15.8. HB-Board (1 of 2) Schematic Diagram
15.9. HB-Board (2 of 2) Schematic Diagram
15.10. HX-Board Block and Schematic Diagram
15.11. J-Board (1 of 2) and H3-Board Block Diagram
15.12. J-Board (2 of 2) Block Diagram
15.13. J-Board (1 of 4) and H3-Board Schematic Diagram
15.14. J-Board (2 of 4) Schematic Diagram
15.15. J-Board (3 of 4) Schematic Diagram
15.16. J-Board (4 of 4) Schematic Diagram
15.17. D-Board (1 of 2) Block Diagram
15.18. D-Board (2 of 2) Block Diagram
15.19. D-Board (1 of 12) Schematic Diagram
15.20. D-Board (2 of 12) Schematic Diagram
15.21. D-Board (3 of 12) Schematic Diagram
15.22. D-Board (4 of 12) Schematic Diagram
15.23. D-Board (5 of 12) Schematic Diagram
15.24. D-Board (6 of 12) Schematic Diagram
15.25. D-Board (7 of 12) Schematic Diagram
15.26. D-Board (8 of 12) Schematic Diagram
15.27. D-Board (9 of 12) Schematic Diagram
15.28. D-Board (10 of 12) Schematic Diagram
15.29. D-Board (11 of 12) Schematic Diagram
15.30. D-Board (12 of 12) Schematic Diagram
15.31. C1, C2, C3 and C4-Board Block Diagram

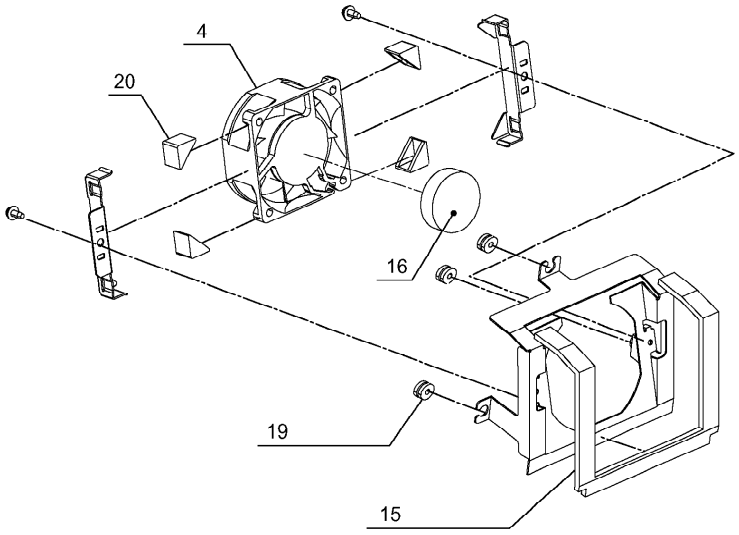
15.32. C1-Board (1 of 2) Schematic Diagram
15.33. C1-Board (2 of 2) Schematic Diagram
15.34. C2-Board (1 of 2) Schematic Diagram
15.35. C2-Board (2 of 2) Schematic Diagram
15.36. C3-Board (1 of 2) Schematic Diagram
15.37. C3-Board (2 of 2) Schematic Diagram
15.38. C4-Board (1 of 2) Schematic Diagram
15.39. C4-Board (2 of 2) Schematic Diagram
15.40. SC-Board Block Diagram
15.41. SC-Board (1 of 2) Schematic Diagram
15.42. SC-Board (2 of 2) Schematic Diagram
15.43. SU-Board Block Diagram
15.44. SU-Board (1 of 2) Schematic Diagram
15.45. SU-Board (2 of 2) Schematic Diagram
15.46. SD-Board Block Diagram
15.47. SD-Board (1 of 2) Schematic Diagram
15.48. SD-Board (2 of 2) Schematic Diagram
15.49. SS, SS2 and SS3-Board Block Diagram
15.50. SS, SS2 and SS3-Board Schematic Diagram
15.51. S1, V1 and V2-Board Block and Schematic Diagram
16. Parts Location
16.1. Exploded View



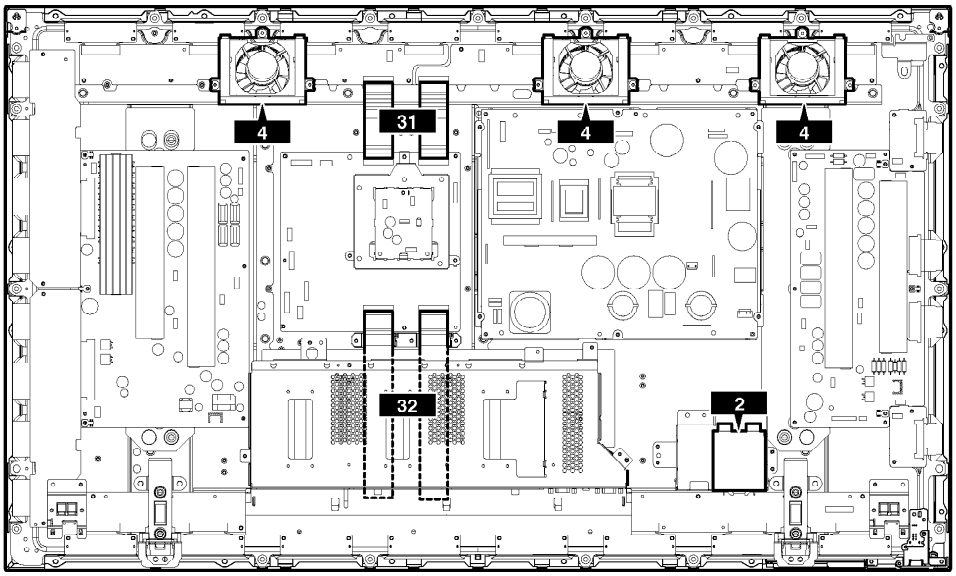
16.1.1. Escutcheon part location enlarged view



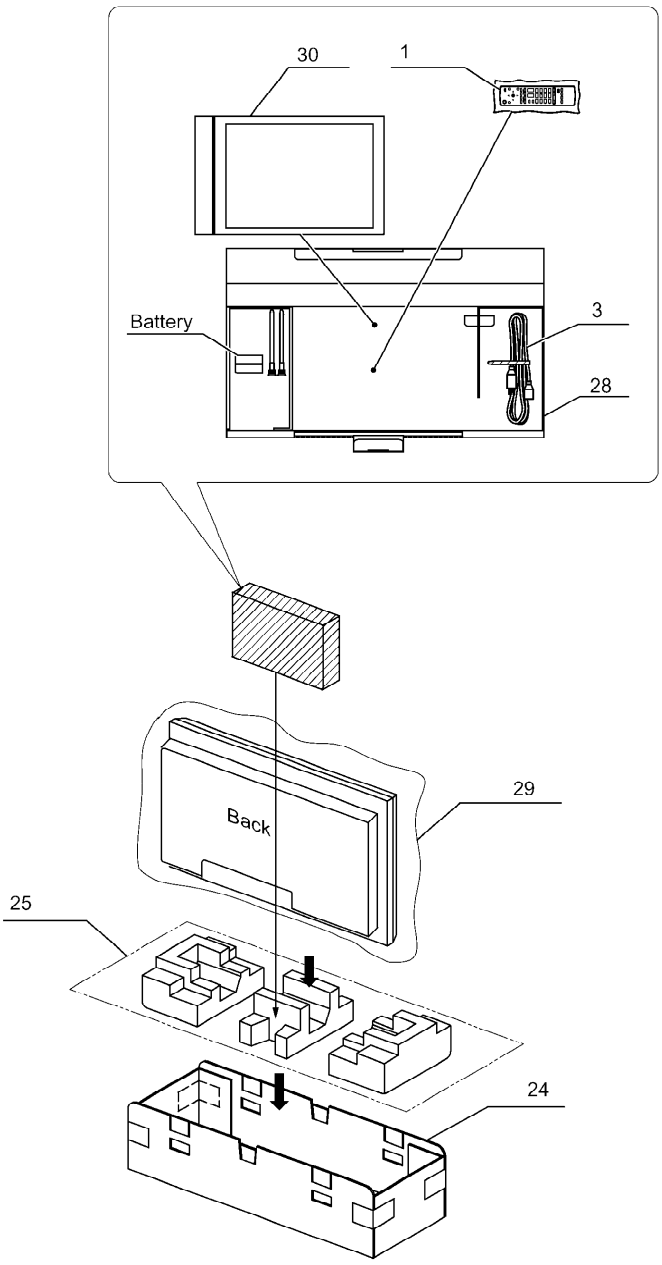
16.1.2. Fan relation

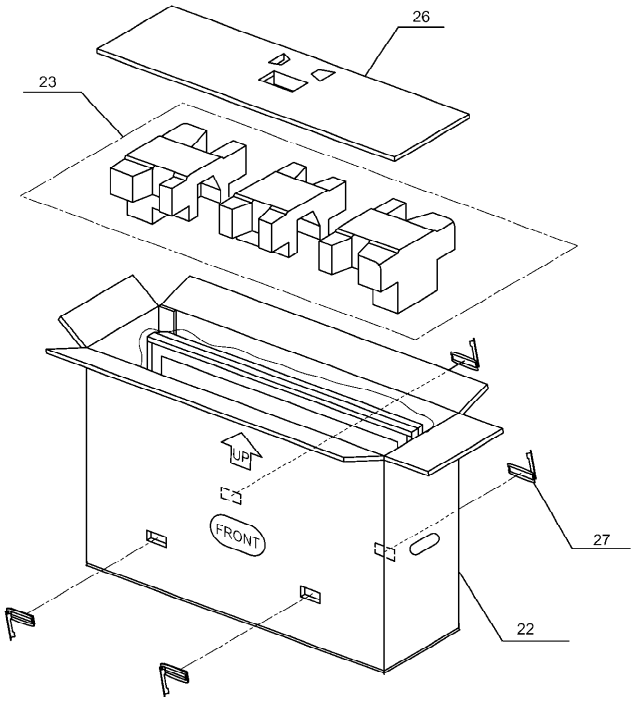


16.2. Cable relation

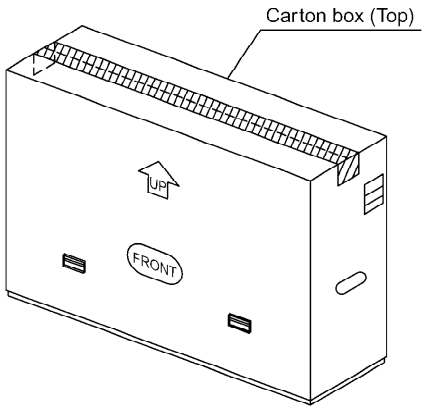


16.3. Packing summary


30
1
Battery
3
28
Back
29
25
24



Complete package



17. Mechanical Replacement Parts List

Note:
All parts except parts mentioned [PAVCCZ] in the Remarks column are supplied by AVC-SPC.
Parts mentioned [PAVCCZ] are supplied by PAVCCZ.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	EUR7636090R	REMOTE CONTROL	1	PAVCCZ (or EUR7636070R)
	J0KD00000095	FLAT CORE	2	
	J0KG00000011	FERRITE CORE	1	
2	K2AH3H000033	AC INLET	1	⚠
3	K2CN3DH00006	AC CORD(B/H)	1	EK/ES ⚠
3	K2CT3DH00018	AC CORD(B/H)	1	BK/BS ⚠
4	L6FAKEDH0010	FAN(SMALL)	3	
5	MD42H08A1J	PLASMA DISPLAY PANEL	1	⚠
6	TBMA162	PANASONIC BADGE	1	
7	TBXA46601	POWER BUTTON	1	EK/BK
7	TBXA46602	POWER BUTTON	1	ES/BS
8	TBXA46701	5KEY BUTTON	1	EK/BK
8	TBXA46702	5KEY BUTTON	1	ES/BS
9	TESD031	SPRING	1	
	THEA068N	SCREW	4	
	THEL0239	SCREW	18	
	THEL027N	SCREW	20	
	THEL035N	SCREW	40	
	THEL037N	SCREW	4	
	THEL0439	SCREW(FLOCK)	10	
	THTD010N	SCREW	9	
	THTD011J	SCREW	3	
10	TKGA5224	FRONT GLASS	1	PAVCCZ
11	TKKC5213	LED PANEL	1	
12	TKKL5266	COVER	2	
13	TKPA95001	REMOTE SENSOR PANEL	1	EK/BK
13	TKPA95002	REMOTE SENSOR PANEL	1	ES/BS
14	TKRA29801	HANDLE	2	
15	TMKG328	CUSHION (FAN)	3	
16	TMKG335	SPONGE (FAN CENTER)	3	
17	TMKG556	SPONGE T/B	2	
18	TMKG557	SPONGE L/R	2	
	TMM15414-2	CLAMPER	2	
	TMM17499	CLAMPER	1	
	TMM25401	CLAMPER	3	
	TMM6496-1	CLAMPER	1	
	TMM7464-2	CLAMPER	4	
	TMM7468-1	CLAMPER	2	
	TMME047	CLAMPER	1	
	TMME061	CLAMPER	3	
	TMME185	CLAMPER	2	
	TMME187	CLAMPER	2	
	TMME199	CLAMPER	9	
	TMME228	CLAMPER	2	
	TMME248	CLAMPER	1	
19	TMMJ074	CUSHION (RUBBER)	9	
20	TMMJ078	CUSHION (RUBBER)	12	
	TMMX095	BRACKET	2	
21	TMWC015	POWER BUTTON BRACKET	1	
22	TPC0E64001	CARTON BOX TOP	1	PAVCCZ
23	TPD0E0099	CUSHION TOP	1	PAVCCZ
24	TPC0E61101	CARTON BOX BOTTOM	1	PAVCCZ

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
25	TPD0E0100	CUSHION BOTTOM	1	PAVCCZ
26	TPD0E9008	TOP PAD	1	PAVCCZ
27	TPD169487	JOINT	4	
28	TPDF1197	CUSHION	1	
29	TPE0E4010	PROTECT COVER	1	PAVCCZ
30	TQB0E0217A	INSTRUCTION BOOK(ENGLISH)	1	PAVCCZ EK/ES ⚠
30	TQB0E0217B	INSTRUCTION BOOK(GERMAN)	1	PAVCCZ EK/ES ⚠
30	TQB0E0217C	INSTRUCTION BOOK(ITALIAN)	1	PAVCCZ EK/ES ⚠
30	TQB0E0217D	INSTRUCTION BOOK(FRENCH)	1	PAVCCZ EK/ES ⚠
30	TQB0E0217E	INSTRUCTION BOOK(SPANISH)	1	PAVCCZ EK/ES ⚠
30	TQB0E0217F	INSTRUCTION BOOK(DUTCH)	1	PAVCCZ EK/ES ⚠
30	TQB0E0217K	INSTRUCTION BOOK(DANISH)	1	PAVCCZ EK/ES ⚠
30	TQB0E0217U	INSTRUCTION BOOK(SWEDISH)	1	PAVCCZ EK/ES ⚠
30	TQB0E0218	INSTRUCTION BOOK(ENGLISH)	1	PAVCCZ BK/BS ⚠
31	TSXL446	CABLE(D32-C21/D31-C11)	2	
32	TSXL471	CABLE(D34-C41/D33-C31)	2	
33	TTUA1238	REAR COVER	1	PAVCCZ EK ⚠
33	TTUA1239	REAR COVER	1	PAVCCZ ES ⚠
33	TTUA1240	REAR COVER	1	PAVCCZ BK ⚠
33	TTUA1241	REAR COVER	1	PAVCCZ BS ⚠
34	TXFKE010YQS	ESCUTCHEON ASS'Y	1	PAVCCZ EK/BK
34	TXFKE010YRS	ESCUTCHEON ASS'Y	1	PAVCCZ ES/BS
35	TXFMZ010VASA	STAND POLE BRACKET	1	
36	TXFMZ010YLS	STAND BLOCK ASS'Y(L)	1	
	TXJ/SP0YNS	SPEAKER LEAD(LEFT)	2	PAVCCZ
	XTB4+10JFJ	SCREW(VESA BRACKET)ROHS	19	
	XTBT964J	SCREW	2	
	XTV3+10GFJ	SCREW	3	
	XTV3+10JFJ	SCREW	2	ES/BK
	XTW3+8TFJ	SCREW	3	
	XTW4+35DFJ	SCREW	10	EK/ES/BK
	XYC3+FF8FJ	SCREW	6	
	XYC4+FJ35FJK	SCREW	8	
	XYN3+F10FJ	SCREW	2	
	XYN3+F8FJ	SCREW	3	
	XYN3+J12FJ	SCREW	33	
	XYN4+E8FJ	SCREW(EARTH)	1	
	XYN5+C15FJ	SCREW	6	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	XYN8+F20FJK	SCREW	4	
	XZBT6530	POLY BAG	1	

18. Replacement Parts List

18.1. Relpacement Parts List Notes

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.
After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention.
After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W
Type Allowance

2. Capacitor

Example:

ECKF1H103ZF C 0.01UF, Z, 50V
Type Allowance

Type	Allowance
C : Carbon F : Fuse M : Metal Oxide Metal FIlm S : Solid W : Wire Wound	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20%

Type	Allowance
C : Ceramic E : Electrolytic P : Polyester Polyprop lene T : Tantalum	C : ±0.25pF D : ±0.5pF F : ±1pF G : ±3pF J : ±5pF K : ±10pF L : ±15pF M : ±20pF P : +100%, -0% Z : +80%, -20%

18.2. Electrical Replacement Parts List

Note:
All parts except parts mentioned [PAVCCZ] in the Remarks column are supplied by AVC-SPC.
Parts mentioned [PAVCCZ] are supplied by PAVCCZ.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
F601.602	K5D103BMA001	TIME LAG FUSE HIGH	2	⚠
F603	K5D102BNA007	TIME LAG FUSE HIGH	1	⚠
A601,02	RA362MSV7T	ARRESTOR	2	⚠
C11	K1MN55BA0076	55P CONNECTOR	1	
C12	K1KA04BA0107	4P CONNECTOR	1	
C21	K1MN55BA0076	55P CONNECTOR	1	
C22	K1KA04BA0107	4P CONNECTOR	1	
C24	K1KA04AA0150	4P CONNECTOR	1	
C31	K1MN55BA0076	55P CONNECTOR	1	
C32	K1KA12AA0153	12P CONNECTOR	1	
C33	K1KA04BA0107	4P CONNECTOR	1	
C41	K1MN55BA0076	55P CONNECTOR	1	
C43	K1KA04BA0107	4P CONNECTOR	1	
C303	KZE1E470P	ELECTROLYTIC CAPACITOR	1	
C305	ECJ2XC1H101J	C 100PF, J, 50V	1	
C307	TBB224K5	CERAMIC CHIP CAPACITOR	1	
C332	KZE1E470	ELECTROLYTIC CAPACITOR	1	
C335	TEB104K5	CERAMIC CHIP CAPACITOR	1	
C341	RR3AD332K	CERAMIC CAPACITOR	1	
C352	TCR474K2A	CERAMIC CHIP CAPACITOR	1	
C354	TEB104K5	CERAMIC CHIP CAPACITOR	1	
C355	TCR474K2A	CERAMIC CHIP CAPACITOR	1	
C356	TAB473K2E	CERAMIC CHIP CAPACITOR	1	
C359	KZE1E470	ELECTROLYTIC CAPACITOR	1	
C360,61	KMQ220901Z	ELECTROLYTIC CAPACITOR	2	
C363	RR3DD221K	CERAMIC CAPACITOR	1	
C366,67	KZE2A331L	ELECTROLYTIC CAPACITOR	2	
C369	TAB473K2E	CERAMIC CHIP CAPACITOR	1	
C374	RR3DD221K	CERAMIC CAPACITOR	1	
C401	KZE1E470	ELECTROLYTIC CAPACITOR	1	
C410	ECWH8183HVB	PLASTIC FILM CAPACITOR	1	
C411	ECJ3YB1E475K	C 4.7UF, K, 25V	1	
C412	TBB105K1	CERAMIC CHIP CAPACITOR	1	
C451	KZE1E272	ELECTROLYTIC CAPACITOR	1	
C452	KZE1E821L	ELECTROLYTIC CAPACITOR	1	
C454,55	ECJ3YB1E475K	C 4.7UF, K, 25V	2	
C457	KZE1E821L	ELECTROLYTIC CAPACITOR	1	
C458	ECJ3YB1E475K	C 4.7UF, K, 25V	1	
C459	KZE1E821L	ELECTROLYTIC CAPACITOR	1	
C460	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C461	KZE1E471L	ELECTROLYTIC CAPACITOR	1	
C462	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C463	KZE1E101	ELECTROLYTIC CAPACITOR	1	
C464	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C465	KZE1E101	ELECTROLYTIC CAPACITOR	1	
C466-69	ECJ2FB1H104K	C 0.1UF, K, 50V	4	
C471	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C472	KZE1E470	ELECTROLYTIC CAPACITOR	1	
C501	KMQ2W161K	ELECTROLYTIC CAPACITOR	1	
C502	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C503	TBB106K1A	CERAMIC CHIP CAPACITOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C507	KZE1E101	ELECTROLYTIC CAPACITOR	1	
C512	KZE1E101	ELECTROLYTIC CAPACITOR	1	
C515	TBB106K1A	CERAMIC CHIP CAPACITOR	1	
C551	KZE1E471L	ELECTROLYTIC CAPACITOR	1	
C553	TBB475K1	CERAMIC CHIP CAPACITOR	1	
C555	KZE1E101	ELECTROLYTIC CAPACITOR	1	
C556	KZE1A471	ELECTROLYTIC CAPACITOR	1	
C557,58	ECJ2FB1H104K	C 0.1UF, K, 50V	2	
C559	CD221K	CERAMIC CAPACITOR	1	⚠
C560	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C562	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C563	TBB475K1	CERAMIC CHIP CAPACITOR	1	
C601	ECQU2A105ML	PLASTIC FILM CAPACITOR	1	⚠
C603,04	CD221K	CERAMIC CAPACITOR	2	
C610,11	MMXC2W105K	PLASTIC FILM CAPACITOR	2	
C620,21	ECKD3A102KBP	C 1000PF, K, 1KV	2	
C622	ECQE6104KF	P 0.1UF, K,630V	1	
C623,24	KMQ2W161K	ELECTROLYTIC CAPACITOR	2	
C625	TBB474K2	CERAMIC CHIP CAPACITOR	1	
C626	KMQ2W161K	ELECTROLYTIC CAPACITOR	1	
C627	ECQE6472B45	PLASTIC FILM CAPACITOR	1	
C628	CD331K	CERAMIC CAPACITOR	1	⚠
C629	KZE1E470	ELECTROLYTIC CAPACITOR	1	
C630	ECQU2A473MN	P 0.047UF, M,250V	1	⚠
C633	ECUX1H102KBN	C 1000PF, K, 50V	1	
C634	ECJ2FB1E224K	C 22UF, K, 25V	1	
C701	TBB475K1	CERAMIC CHIP CAPACITOR	1	
C703	TEB104K5	CERAMIC CHIP CAPACITOR	1	
C706	ECQV1H104JL	P 0.1UF, J, 50V	1	
C711	TEB104K2	CERAMIC CHIP CAPACITOR	1	
C801,02	EEVHB1C471	E 470UF, 16V	2	
C804	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C805	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C806	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C807	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C808	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C809	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C811,12	EEVHB1C471	E 470UF, 16V	2	
C814	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C815	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C816	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C817	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C818	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C819	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C820	ECJ2XC1H820J	C 82PF, J, 50V	1	
C821	F2H0J102A010	C 1000UF, 6.3V	1	
C822	EEVHB1C471	E 470UF, 16V	1	
C824	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C825	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C826	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C827	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C828	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C829	F1J0J1060004	C 0.010UF, K, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C830	ECJ2XC1H820J	C 82PF, J, 50V	1	
C831	EEEHB1C470P	C 47PF, J, 16V	1	
C832	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C833	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C834	EEEHB1C470P	C 47PF, J, 16V	1	
C835	F1J0J1060004	C 0.010UF, K, 16V	1	
C836	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C837	F1J0J1060004	C 0.010UF, K, 16V	1	
C838	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C839	F1J0J1060004	C 0.010UF, K, 16V	1	
C840	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C841	F1J0J1060004	C 0.010UF, K, 16V	1	
C842	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C843	F1J0J1060004	C 0.010UF, K, 16V	1	
C844	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C845	F1J0J1060004	C 0.010UF, K, 16V	1	
C846	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C847	F1J0J1060004	C 0.010UF, K, 16V	1	
C848	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C850	ECQB1H104JF	P 0.1UF, J, 50V	1	
C852	ECA1EM471	E 470UF, 25V	1	
C854	EEUFC1C471	E 470UF, 16V	1	
C1530	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C2350,51	ECJ3YB1C225K	C 0.022UF, K, 16V	2	
C2352,53	EEEHB1H100P	C 10PF, J, 50V	2	
C2354,55	EEEHB1V470P	E 47UF, 35V	2	
C2356,57	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C2358,59	EEEHP1V2R2R	E 2.2UF, 35V	2	
C2360,61	ECJ2XC1H102J	C 1000PF, J, 50V	2	
C2362,63	EEEHB1E471UP	C 470PF, J, 25V	2	
C2364,65	ECQV1H104JM	P 0.1UF, J, 50V	2	
C2366,67	ECJ3YB1E225K	C 2.2UF, K, 25V	2	
C2368,69	ECQV1H104JM	P 0.1UF, J, 50V	2	
C2370,71	EEEHB1V470P	E 47UF, 35V	2	
C2373-75	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C2376,77	ECJ1XC1H150J	C 15PF, J, 50V	2	
C2378-82	ECJ1XB1C104K	C 0.1UF, Z, 16V	5	
C2383	EEEHB1A101P	C 100PF, J, 10V	1	
C2384	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2385	EEEHB1A101P	C 100PF, J, 10V	1	
C2386,87	EEEHP1H1R0R	C 1.0PF, J, 50V	2	
C2388	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2389	EEEHB1A101P	C 100PF, J, 10V	1	
C2390	EEEHB1H100P	C 10PF, J, 50V	1	
C2391	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2392,93	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C2394	EEEHB1H100P	C 10PF, J, 50V	1	
C2395,96	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C2397	EEEHB1A101P	C 100PF, J, 10V	1	
C2398-403	ECJ1XB1C104K	C 0.1UF, Z, 16V	6	
C2404	ECJ1VB1C103K	C 0.010UF, K, 16V	1	
C2405,06	ECJ1VB0J225K	C 2.2UF, K, 6.3V	2	
C2407,08	F1J0J1060004	C 0.010UF, K, 16V	2	
C2409,10	ECJ1XC1H181J	C 180PF, J, 50V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2411-13	ECJ3XB1C106M	C 1.0UF, K, 16V	3	
C3001	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C3002	ECJ2XB1E104K	C 0.1UF, K, 25V	1	(HB)
C3002	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	(J)
C3003	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(J)
C3003	EEEHP1A100R	E 10UF, 10V	1	(HB)
C3004	EEEHB1C470P	C 47PF, J, 16V	1	(J)
C3004	EEEHP1A100R	E 10UF, 10V	1	(HB)
C3005	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3005	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(J)
C3006	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3006	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(J)
C3007	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3007	EEEHB1C470P	C 47PF, J, 16V	1	(J)
C3008	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	(J)
C3008	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3009	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(J)
C3009	EEEHB1C470P	C 47PF, J, 16V	1	(HB)
C3010	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3011	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(J)
C3011	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3012	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3012	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3013	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3013	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(HB)
C3014	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3014	EEEHB1C470P	C 47PF, J, 16V	1	(HB)
C3015	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3015	ECJ1XC1H470J	C 47PF, J, 50V	1	(HB)
C3016	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3016	ECJ1XC1H220J	C 22PF, J, 50V	1	(HB)
C3017	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3017	ECJ1XC1H680J	C 68PF, J, 50V	1	(HB)
C3018	EEEHB0J330R	C 33PF, J, 6.3V	1	(HB)
C3018	EEEHB1C470P	C 47PF, J, 16V	1	(J)
C3019	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3019	ECJ3YB0J335K	C 33UF, J, 25V	1	(HB)
C3020	TCUY1C225KBM	C 2.2UF, 16V	1	
C3021	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(HB)
C3021	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3022	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HB)
C3022	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3023	EEEHB0J101P	C 100PF, J, 6.3V	1	(HB)
C3023	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3024	ECJ3XB0J106M	C 10UF, M,6.3V	1	(HB)
C3024-31	TCUY1C225KBM	C 2.2UF, 16V	8	(J)
C3033	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3040,41	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C3051-54	ECJ1XC1H561J	C 560PF, J, 50V	4	
C3055,56	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C3101	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C3102	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3103	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HB)
C3103	TCUY1C225KBM	C 2.2UF, 16V	1	(J)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3104	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3105	EEEHB0G221P	C 220PF, J, 4V	1	
C3106	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3106	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3107	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3107	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3108	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3108	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3109,10	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	(HB)
C3110	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3111	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3111	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3112	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3112	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3113	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3113	EEEHB1C470P	C 47PF, J, 16V	1	(J)
C3114	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3114	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	(J)
C3115	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3115	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3116	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(
C3117	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3119	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3120	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3121	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3122	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3123	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3124	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3126	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3127	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3128	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3129	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3130	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3131-33	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3134	F2H0J102A010	C 1000UF, 6.3V	1	
C3135	ECJ1VB1C103K	C 0.010UF, K, 16V	1	(HB)
C3135	F2H0J102A010	C 1000UF, 6.3V	1	(J)
C3136	ECJ1XC1H330J	C 33PF, J, 50V	1	(HB)
C3136	F2H0J102A010	C 1000UF, 6.3V	1	(J)
C3137	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3138	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C3139	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3140	ECJ1XC1H101J	C 100PF, J, 50V	1	
C3141	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3142	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3143	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C3144	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3144	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3145	EEEHB1C470P	C 47PF, J, 16V	1	
C3146	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3146	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3147	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C3148	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3149	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3150	ECJ1VB1C103K	C 0.010UF, K, 16V	1	(HB)
C3150	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3151	ECJ1XC1H330J	C 33PF, J, 50V	1	
C3152	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3153	ECJ1XC1H101J	C 100PF, J, 50V	1	
C3154	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3156	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3157	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C3158	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3159	EEEHB0G221P	C 220PF, J, 4V	1	
C3160,61	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3162-66	ECJ1VF1A105Z	C 1UF, Z, 10V	5	
C3167-78	ECJ1XB1C104K	C 0.1UF, Z, 16V	12	
C3179	EEEHB0G221P	C 220PF, J, 4V	1	
C3180-83	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3185	ECJ1XC1H060D	C 6PF, D, 50V	1	
C3186	ECJ1XC1H470J	C 47PF, J, 50V	1	
C3188	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3200	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3201	F1J0J1060004	C 0.010UF, K, 16V	1	
C3202	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HB)
C3202	F1J0J1060004	C 0.010UF, K, 16V	1	(J)
C3203	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HB)
C3203	F1J0J1060004	C 0.010UF, K, 16V	1	(J)
C3204-06	ECJ1VF1A105Z	C 1UF, Z, 10V	3	
C3207	EEEHB0G221P	C 220PF, J, 4V	1	
C3208-14	ECJ1VF1A105Z	C 1UF, Z, 10V	7	
C3216,17	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C3218	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3253	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3254	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3255	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3256	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3257	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3258	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3259	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3260	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3261	EEEHB0G221P	C 220PF, J, 4V	1	
C3262	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3263,64	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3265	EEEHB0G221P	C 220PF, J, 4V	1	
C3266	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3301	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3308	EEEHB0G221P	C 220PF, J, 4V	1	
C3309	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3311	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3313	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3316,17	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C3318-21	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3322,23	EEEHB0G221P	C 220PF, J, 4V	2	
C3324	EEEHB0J101P	C 100PF, J, 6.3V	1	
C3325	EEEHB1C470P	C 47PF, J, 16V	1	
C3327-30	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3404	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3405	EEEHB1C470P	C 47PF, J, 16V	1	
C3409	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3523	EEEHB1C470P	C 47PF, J, 16V	1	
C3524	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C3550	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C3551	EEEHB1C470P	C 47PF, J, 16V	1	
C3561,62	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C6012	F1L2J562A022	C 5600UF, K,6.3V	1	
C6060	ECA2CM101	E 100UF, 160V	1	
C6101-04	ECQE2255JF	P 2.5UF, K,250V	4	
C6106	ECQE2255JF	P 2.5UF, K,250V	1	
C6110-14	F2A2T201A001	E 200UF,	5	
C6115	F1L2J562A022	C 5600UF, K,6.3V	1	
C6118	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6119,20	EEUFC1E221	E 220UF, 25V	2	
C6121	EEUFC1E470	E 47UF, 25V	1	
C6122	ECA2CM101	E 100UF, 160V	1	
C6124	F2A2D221A022	E 220UF, 200V	1	
C6144	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6146-48	F1L1E4750004	C 4.7UF, 25V	3	
C6150,51	F1L1E4750004	C 4.7UF, 25V	2	
C6153	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6156,57	F1L1E4750004	C 4.7UF, 25V	2	
C6158	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6159	F1L1E4750004	C 4.7UF, 25V	1	
C6163,64	TCUY1C105ZFN	C 1UF, 16V	2	
C6168	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6432	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C6433	TCUY1C105ZFN	C 1UF, 16V	1	
C6434	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6435	EEUFC1E221	E 220UF, 25V	1	
C6436	ECA1HM221	E 220UF, 50V	1	
C6437	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6454	ECA2CHG100	E 10UF, 160V	1	
C6456	ECA2CM101	E 100UF, 160V	1	
C6458	F1L1E4750004	C 4.7UF, 25V	1	
C6459	EEUFC1E470	E 47UF, 25V	1	
C6461	ECA1HM101	E 100UF, 50V	1	
C6462,63	F1L1E4750004	C 4.7UF, 25V	2	
C6465	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6466,67	F1L1E4750004	C 4.7UF, 25V	2	
C6472	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6473	TCUY1C105ZFN	C 1UF, 16V	1	
C6474	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6475	EEUFC1E221	E 220UF, 25V	1	
C6476	ECA2CM101	E 100UF, 160V	1	
C6477	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6489-91	F1K2J332A014	C 3300UF, K,6.3V	3	
C6492	F2A2G100A017	E 100UF, 400V	1	
C6493	ECJ3XB2J222K	C 2200PF, K,630V	1	
C6494	ECA2VHG100	E 10UF, 350V	1	
C6501-03	ECJ2XB1H104K	C 0.1UF, K, 50V	3	
C6505	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6507	ECJ2XB1H104K	C 0.1UF, K, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6509	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6510-12	F1L1E4750004	C 4.7UF, 25V	3	
C6513	ECA2CM101	E 100UF, 160V	1	
C6514	TCUY1C105ZFN	C 1UF, 16V	1	
C6515,16	F1L1E4750004	C 4.7UF, 25V	2	
C6517	TCUY1C105ZFN	C 1UF, 16V	1	
C6519	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6521	F1L1E4750004	C 4.7UF, 25V	1	
C6522	ECA1VM470	E 47UF, 35V	1	
C6524	F1K2J471A014	C 470UF, K,6.3V	1	
C6526	ECA2EHG470	E 47UF, 250V	1	
C6541,42	F1L1E4750004	C 4.7UF, 25V	2	
C6543,44	F1K2J102A014	C 1000UF, K,6.3V	2	
C6546	F1L1E4750004	C 4.7UF, 25V	1	
C6550	ECA2CM101	E 100UF, 160V	1	
C6551	ECQE2224KF	P 2.2UF, K,250V	1	
C6553	F1L1E4750004	C 4.7UF, 25V	1	
C6554,55	F1K2J102A014	C 1000UF, K,6.3V	2	
C6571	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6575,76	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C6580,81	TCUY1C105ZFN	C 1UF, 16V	2	
C6584	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6585	TCUY1C105ZFN	C 1UF, 16V	1	
C6598	ECA2CM101	E 100UF, 160V	1	
C6600	TCUY1C105ZFN	C 1UF, 16V	1	
C6601-05	F2A2T201A001	E 200UF,	5	
C6607	ECQE2255JF	P 2.5UF, K,250V	1	
C6609	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6610	EEUFC1E221	E 220UF, 25V	1	
C6611-13	F1L2J222A022	C 2200UF, K,6.3V	3	
C6621-24	F1L2J222A022	C 2200UF, K,6.3V	4	
C6631,32	F1L1E4750004	C 4.7UF, 25V	2	
C6634	F1L1E4750004	C 4.7UF, 25V	1	
C6638	F1L1E4750004	C 4.7UF, 25V	1	
C6641,42	F1L1E4750004	C 4.7UF, 25V	2	
C6650,51	F1L1E4750004	C 4.7UF, 25V	2	
C6653	F1L1E4750004	C 4.7UF, 25V	1	
C6679,80	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C6681,82	TCUY1C105ZFN	C 1UF, 16V	2	
C6683,84	EEUFC1E470	E 47UF, 25V	2	
C6701-04	ECQE2255JF	P 2.5UF, K,250V	4	
C6901-06	TCUY1C105ZFN	C 1UF, 16V	6	
C6907,08	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C6917-20	F1L2E1040002	E 1000UF, 25V	4	
C6971-76	TCUY1C105ZFN	C 1UF, 16V	6	
C6977,78	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C6987-90	F1L2E1040002	E 1000UF, 25V	4	
C7103	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7106	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7107	TCUY1C105ZFN	C 1UF, 16V	1	
C7123	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7126	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7127	TCUY1C105ZFN	C 1UF, 16V	1	
C7143	ECJ3XB2A474K	C 0.47UF, 6.3V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7146	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7147	TCUY1C105ZFN	C 1UF, 16V	1	
C7163	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7166	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7167	TCUY1C105ZFN	C 1UF, 16V	1	
C7181	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7185	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7187	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7189	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7203	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7206	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7207	TCUY1C105ZFN	C 1UF, 16V	1	
C7223	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7226	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7227	TCUY1C105ZFN	C 1UF, 16V	1	
C7232-34	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C7243	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7246	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7247	TCUY1C105ZFN	C 1UF, 16V	1	
C7263	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7266	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7267	TCUY1C105ZFN	C 1UF, 16V	1	
C7281	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7300	TCUY1C105ZFN	C 1UF, 16V	1	
C7301	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7304	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7320	TCUY1C105ZFN	C 1UF, 16V	1	
C7321	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7324	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7340	TCUY1C105ZFN	C 1UF, 16V	1	
C7341	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7344	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7360	TCUY1C105ZFN	C 1UF, 16V	1	
C7361	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7364	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7381	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7383	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7385	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7389	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7396,97	ECJ1XC1H220J	C 22PF, J, 50V	2	
C7400	TCUY1C105ZFN	C 1UF, 16V	1	
C7401	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7404	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7420	TCUY1C105ZFN	C 1UF, 16V	1	
C7421	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7424	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7440	TCUY1C105ZFN	C 1UF, 16V	1	
C7441	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7444	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7460	TCUY1C105ZFN	C 1UF, 16V	1	
C7461	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7464	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7481	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7483	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7485	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7487	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C8001	EEEHB1C470P	C 47PF, J, 16V	1	
C8003	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C8005	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8007	ECJ1XC1H101J	C 100PF, J, 50V	1	
C8009	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8013	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8015	ECJ3YF1A106Z	C 10UF, Z, 10V	1	
C8016	ECJ3YB1A475K	C 0.047UF, K, 10V	1	
C8019	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8021	ECJ3VB1C474K	C 0.47UF, K, 16V	1	
C8023	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8025	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8027	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C8029	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8030	EEEHB1C470P	C 47PF, J, 16V	1	
C8033	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C8035	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8036	ECJ1XC1H101J	C 100PF, J, 50V	1	
C8038	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C8045	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C8049	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C8051	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8070	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C8071	EEEHB1C470P	C 47PF, J, 16V	1	
C8072,73	ECJ3YF1A106Z	C 10UF, Z, 10V	2	
C8080-83	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C8084	TCUY1C105ZFN	C 1UF, 16V	1	
C8100	EEEHB1C470P	C 47PF, J, 16V	1	
C8101	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8102,03	EEEHB1C470P	C 47PF, J, 16V	2	
C8105,06	EEEHB1C470P	C 47PF, J, 16V	2	
C8107	EEVHB1C471	E 470UF, 16V	1	
C8108,09	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C8111-13	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C8114	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C8115	EEEHB1C470P	C 47PF, J, 16V	1	
C8116	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8120	EEEHB1E330P	C 33PF, J, 25V	1	
C8121	ECJ1XF1E104Z	C 0.1UF, Z, 25V	1	
C8122	EEEHB1C470P	C 47PF, J, 16V	1	
C8123	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8181,82	ECJ1XC1H150J	C 15PF, J, 50V	2	
C8183	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8185	EECS5R5H155	E 1.5UF, 5.5V	1	
C8200	EEEHB1C470P	C 47PF, J, 16V	1	
C9001,02	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9003	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9004	ECJ1VB1C823K	C 0.082UF, K, 16V	1	
C9006	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9007-09	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C9010	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9011-13	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9016	F1J0J106A013	C 0.010UF, K, 16V	1	
C9017,18	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9019	F1J0J106A013	C 0.010UF, K, 16V	1	
C9020	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9021	F1J0J106A013	C 0.010UF, K, 16V	1	
C9022	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9031	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9076	EEEHB1C470P	C 47PF, J, 16V	1	
C9081	TCUY1C105ZFN	C 1UF, 16V	1	
C9093	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9095	ECJ1XC1H220J	C 22PF, J, 50V	1	
C9101-05	ECJ1XF1C104Z	C 0.1UF, Z, 16V	5	
C9107,08	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9151,52	TCUY1C105ZFN	C 1UF, 16V	2	
C9155	EEEHB1C470P	C 47PF, J, 16V	1	
C9156	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9201	EEEHB1C470P	C 47PF, J, 16V	1	
C9202-13	ECJ1XB1C104K	C 0.1UF, Z, 16V	12	
C9214	EEEHB1C470P	C 47PF, J, 16V	1	
C9215-18	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C9219-22	F1J0J106A013	C 0.010UF, K, 16V	4	
C9225-27	F1J0J106A013	C 0.010UF, K, 16V	3	
C9234	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9235,36	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9241	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9373	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9375	EEEHB1C470P	C 47PF, J, 16V	1	
C9377	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9379	EEEHB1C470P	C 47PF, J, 16V	1	
C9383	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9386	ECJ1VC1H100D	C 10PF, 50V	1	
C9387-423	ECJ1XF1C104Z	C 0.1UF, Z, 16V	37	
C9424-40	ECJ1XB1C104K	C 0.1UF, Z, 16V	17	
C9441	EEEHB0G221P	C 220PF, J, 4V	1	
C9442	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9443-46	ECJ1VF1H103Z	C 0.010UF, Z, 50V	4	
C9461-63	ECJ2VF1C105Z	C 1UF, Z, 16V	3	
C9464-66	F1J0J106A013	C 0.010UF, K, 16V	3	
C9467	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9515,16	EEVHB1C471	E 470UF, 16V	2	
C9594	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9599	ECJ2FB1E475M	C 4.7UF, K, 25V	1	
C9601	ECGRL0G680R	C 68PF, J, 4V	1	
C9602	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9603	ECGRL0G680R	C 68PF, J, 4V	1	
C9604	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9606	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9608	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9609	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C9610	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9611	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C9612	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9613	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9614	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9617,18	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9619	EEEHB1C470P	C 47PF, J, 16V	1	
C9620	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9622-24	F1J0J1060004	C 0.010UF, K, 16V	3	
C9626	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9627	EEEHB1C470P	C 47PF, J, 16V	1	
C9628	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9630-32	F1J0J1060004	C 0.010UF, K, 16V	3	
C9634,35	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9637-42	ECJ3XF1C475Z	C 4.7UF, Z, 16V	6	
C9643,44	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9645	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C9646	ECJ1VB1C103K	C 0.010UF, K, 16V	1	
C9647,48	ECJ1VC1H080D	C 8PF, 50V	2	
C9650,51	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9652	ECJ1XC1H150J	C 15PF, J, 50V	1	
C9653	ECJ1VC1H080C	C 8PF, C, 50V	1	
C9654	F1J0J1060004	C 0.010UF, K, 16V	1	
C9662-701	ECJ1XF1C104Z	C 0.1UF, Z, 16V	40	
C9702	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9703-07	ECJ1XF1C104Z	C 0.1UF, Z, 16V	5	
C9708-11	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C9712	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9713	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C9715-17	TCUY1C105ZFN	C 1UF, 16V	3	
C9718,19	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9721-23	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9724	ECJ1VC1H270J	C 27PF, J, 50V	1	
C9725	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9726	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C9733	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9734	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9735	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9736,37	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9738	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9739-41	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C9742	EEEHB0G221P	C 220PF, J, 4V	1	
C9743-46	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C9747	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9748-61	ECJ1XB1C104K	C 0.1UF, Z, 16V	14	
C9762	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9763	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9764	EEEHB0G221P	C 220PF, J, 4V	1	
C9779	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9780	F2H1E221A007	E 2.2UF, 25V	1	
C9781-83	F1J0J106A013	C 0.010UF, K, 16V	3	
C9784	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9785	F1J0J106A013	C 0.010UF, K, 16V	1	
C9981	EEEHB1C470P	C 47PF, J, 16V	1	
C9982	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9983	EEEHB0G221P	C 220PF, J, 4V	1	
C9984	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9985	F1J0J106A013	C 0.010UF, K, 16V	1	
C9986	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9988	F1J0J106A013	C 0.010UF, K, 16V	1	
C9989	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9991	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9992	EEEHB1C470P	C 47PF, J, 16V	1	
C9993	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9994	F1J0J106A013	C 0.010UF, K, 16V	1	
CA1-A8	K1MN68BA0002	68P CONNECTOR	8	
CB1-B8	K1MN68BA0002	68P CONNECTOR	8	
CNPFC	B2P3-VH-B	CONNECTOR	1	
D1	K1KA20AA0335	20P CONNECTOR	1	
D3	K1KA40AA0009	40P CONNECTOR	1	
D4	K1KA14A00248	14P CONNECTOR	1	
D5	K1KA31A00007	31P CONNECTOR	1	
D10	K1KA12AA0105	12P CONNECTOR	1	
D20	K1KA20AA0008	20P CONNECTOR	1	
D25	K1KA20AA0009	20P CONNECTOR	1	
D31,32	K1MN55BA0076	55P CONNECTOR	2	
D33,34	K1MN55BA0094	55P CONNECTOR	2	
D302	RU1P	DIODE	1	
D303	RB550VA-30	DIODE	1	
D305,06	ST3D170	CLAMPER	2	
D307	RB550VA-30	DIODE	1	
D308	ERA91-02	DIODE	1	
D332	RB550VA-30	DIODE	1	
D335	RU1P	DIODE	1	
D351	FCF06A40	DIODE	1	
D374	MA2C16500H	DIODE	1	
D401	RB550VA-30	DIODE	1	
D402	M1FS6	DIODE	1	
D403	M1FS6	DIODE	1	
D405	M1FS6	DIODE	1	
D451-54	RB085T60	DIODE	4	
D455	M1FS6	DIODE	1	
D456,57	MA111	DIODE	2	
D501	ST3D200	CLAMPER	1	
D504	ERA91-02	DIODE	1	
D511	ERA91-02	DIODE	1	
D511	MA2S111	DIODE	1	
D515	ERA91-02	DIODE	1	
D516	MA2S111	DIODE	1	
D551	RK49	DIODE	1	
D601	MA111	DIODE	1	
D602	S1WBA80	DIODE	1	⚠
D603	MA111	DIODE	1	
D605	M1F60	DIODE	1	
D607	S3V60	DIODE	1	
D608,09	RB550VA-30	DIODE	2	
D612	EP01C	DIODE	1	
D613,14	ERA22-10	DIODE	2	
D796	MA2S111	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D801	B0JCPD000026	DIODE	1	
D802,03	B0JCME000037	DIODE	2	
D850	MA165	DIODE	1	
D852	MA2C165001VT	DIODE	1	
D854	MA165	DIODE	1	
D859	AK04	DIODE	1	
D1550	LNJ107W5PRW	LED	1	
D1551	MA8033L	ZENER DIODE	1	
D1554	MA8033L	ZENER DIODE	1	
D2301-03	B0JCME000037	DIODE	3	
D3001	MA111	DIODE	1	(J)
D3001	MA729	DIODE	1	(HB)
D3002	MA3100M	ZENER DIODE	1	
D3003,04	MA111	DIODE	2	
D3005	LNJ206R5ARA	LED	1	
D3007,08	MA111	DIODE	2	
D3061	MA728	DIODE	1	
D3501-04	MA3056M	ZENER DIODE	4	
D3507-10	MA8160H	ZENER DIODE	4	
D6013	B0HBSN000008	DIODE	1	
D6018	B0HBSN000008	DIODE	1	
D6101	B0HBSN000008	DIODE	1	
D6110	B0ECHP000003	DIODE	1	
D6111,12	B0HBSN000008	DIODE	2	
D6115,16	B0HBSN000008	DIODE	2	
D6119	B0ECHP000003	DIODE	1	
D6121	B0HBSN000008	DIODE	1	
D6122	B0ECHP000003	DIODE	1	
D6128,29	B0HBSN000008	DIODE	2	
D6140,41	B0ECHP000003	DIODE	2	
D6149,50	B0JCME000037	DIODE	2	
D6151	B0ECHP000003	DIODE	1	
D6153	B0ECHP000003	DIODE	1	
D6158,59	MA8330M	ZENER DIODE	2	
D6160	LNJ301MPUJA	LED	1	
D6161	MA8051L	ZENER DIODE	1	
D6162	MA111	DIODE	1	
D6166	MA111	DIODE	1	
D6172	MA111	DIODE	1	
D6173	B0ECHP000003	DIODE	1	
D6195	B0ECHP000003	DIODE	1	
D6433	MA111	DIODE	1	
D6435	MA111	DIODE	1	
D6436	B0JCKG000002	DIODE	1	
D6451	B0ECHP000003	DIODE	1	
D6452	B0HCKS000002	DIODE	1	
D6453,54	B0ECHP000003	DIODE	2	
D6455	MA111	DIODE	1	
D6456	B0ECHP000003	DIODE	1	
D6457	B0HCKS000002	DIODE	1	
D6458	B0ECHP000003	DIODE	1	
D6459	MA111	DIODE	1	
D6460,61	B0HCKS000002	DIODE	2	
D6465,66	MA8330M	ZENER DIODE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6468	MA111	DIODE	1	
D6470,71	MA111	DIODE	2	
D6472	B0JCME000037	DIODE	1	
D6473	MA111	DIODE	1	
D6475	MA111	DIODE	1	
D6476	B0ECHP000003	DIODE	1	
D6477	MA111	DIODE	1	
D6478	B0HCKS000002	DIODE	1	
D6479	MA111	DIODE	1	
D6481,82	MA8200M	ZENER DIODE	2	
D6483	B0JCME000037	DIODE	1	
D6484	MA111	DIODE	1	
D6485-90	MA8056H	ZENER DIODE	6	
D6491,92	B0ECHP000003	DIODE	2	
D6493,94	MA8056H	ZENER DIODE	2	
D6495	B0HCKS000002	DIODE	1	
D6499	B0JCME000037	DIODE	1	
D6500,01	MA111	DIODE	2	
D6506	MA111	DIODE	1	
D6509	MA111	DIODE	1	
D6510	B0JCME000037	DIODE	1	
D6511	B0HCMM000014	DIODE	1	
D6512-14	MA111	DIODE	3	
D6515	MA8240M	ZENER DIODE	1	
D6517,18	B0JCME000037	DIODE	2	
D6520	MA111	DIODE	1	
D6521	B0ECHP000003	DIODE	1	
D6522	MA111	DIODE	1	
D6523	B0ECHP000003	DIODE	1	
D6524	MA8051L	ZENER DIODE	1	
D6525	MA111	DIODE	1	
D6526	B0HCMM000014	DIODE	1	
D6528	B0ECHP000003	DIODE	1	
D6541	B0HCKS000002	DIODE	1	
D6542	MA111	DIODE	1	
D6543	B0HCKS000002	DIODE	1	
D6544	MA111	DIODE	1	
D6545	MA8051L	ZENER DIODE	1	
D6546-48	MA8330M	ZENER DIODE	3	
D6549,50	MA111	DIODE	2	
D6551	B0HCKS000002	DIODE	1	
D6552	B0JCME000037	DIODE	1	
D6553	MA111	DIODE	1	
D6555	MA8056H	ZENER DIODE	1	
D6556,57	MA111	DIODE	2	
D6570	B0HCMM000014	DIODE	1	
D6572	B0ECHP000003	DIODE	1	
D6582	MA8051L	ZENER DIODE	1	
D6583	LNJ301MPUJA	LED	1	
D6584	MA111	DIODE	1	
D6585,86	MA8330M	ZENER DIODE	2	
D6587	MA8056H	ZENER DIODE	1	
D6600	B0ECHP000003	DIODE	1	
D6602	B0ECHP000003	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6604	B0HBSN000008	DIODE	1	
D6608,09	B0HBSN000008	DIODE	2	
D6614	B0HBSN000008	DIODE	1	
D6619,20	B0HBSN000008	DIODE	2	
D6623,24	B0HBSN000008	DIODE	2	
D6625	B0ECHP000003	DIODE	1	
D6627	B0HBSN000008	DIODE	1	
D6650	B0HBSN000008	DIODE	1	
D6651	B0ECHP000003	DIODE	1	
D6661,62	B0ECHP000003	DIODE	2	
D6901,02	MA8056H	ZENER DIODE	2	
D6903,04	B0ECHP000003	DIODE	2	
D6961,62	MA8056H	ZENER DIODE	2	
D6963,64	B0ECHP000003	DIODE	2	
D7101-08	B0HCMM000014	DIODE	8	
D7201-08	B0HCMM000014	DIODE	8	
D7301-08	B0HCMM000014	DIODE	8	
D7401-08	B0HCMM000014	DIODE	8	
D8001	MA111	DIODE	1	
D8003	MA111	DIODE	1	
D8010,11	MA153	DIODE	2	
D8180	MA111	DIODE	1	
D8181	MA8056-M	ZENER DIODE	1	
D8184,85	MA8056-M	ZENER DIODE	2	
D8200	MA3150M	ZENER DIODE	1	
D8201	MA111	DIODE	1	
D8203	MA3100M	ZENER DIODE	1	
D8204	MA111	DIODE	1	
D9300-03	MA152K	DIODE	4	
D9500,01	B0JCDD000002	DIODE	2	
D9502,03	B0JCPE000004	DIODE	2	
D9702-05	MA3033	ZENER DIODE	4	
D9707	MA728	DIODE	1	
D9711-13	MA152K	DIODE	3	
D9715	MA728	DIODE	1	
D9721	MA3036H	ZENER DIODE	1	
D9731	MA728	DIODE	1	
D9732-35	MA152K	DIODE	4	
FL3000-03	F1J1E1040022	LC FILTER	4	
FL3006-10	F1J1E1040022	LC FILTER	5	
FL3507-09	J0HABB000004	LC FILTER	3	
FL3510-17	TLK212T256AL	EMI FILTER	8	
FL7101	J0HABH000013	LC FILTER	1	
FL7201	J0HABH000013	LC FILTER	1	
FL7301	J0HABH000013	LC FILTER	1	
FL7401	J0HABH000013	LC FILTER	1	
FL9001	J0MAB0000175	LC FILTER	1	
FL9300-05	F1J1E1040022	LC FILTER	6	
FL9500	F1J1E1040022	LC FILTER	1	
FL9502-04	F1J1E1040022	LC FILTER	3	
FL9701-09	F1J1E1040022	LC FILTER	9	
H0	K1KA08AA0150	8P CONNECTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
H1	K1KA80B00037	80P CONNECTOR	1	
H37	K1KA03AA0190	3P CONNECTOR	1	
HX1	K1KB22A00036	22P CONNECTOR	1	
IC301	MR4020F2	INTEGRATED CIRCUIT	1	
IC401	F9222L	INTEGRATED CIRCUIT	1	⚠
IC501	MIP3E30MP	INTEGRATED CIRCUIT	1	
IC801-03	C0DBAMH00013	IC	3	
IC804	C0CBCAC00275	IC	1	
IC850	C0DAAZG00014	IC	1	
IC2301,02	C1BA00000383	IC	2	
IC2303	C1BB00001006	IC	1	
IC2305	C0ABBA000168	IC	1	
IC3001	C0JBAR000419	IC	1	(HB)
IC3001	MC14052BF	MOS IC (CMOS GATE ARRLY)	1	(J)
IC3002	C0ABGB000001	IC	1	(HB)
IC3002	C0JBBR000002	IC	1	(J)
IC3003	C0ABGB000001	IC	1	(HB)
IC3003	CXA1315M	LINEAR IC	1	(J)
IC3004	CXA1875AM	LINEAR IC	1	
IC3005	C1AB00002311	IC	1	
IC3007,08	C0JBAS000215	IC	2	
IC3101	C1AB00002238	IC	1	(J)
IC3101	C0DBEZG00018	IC	1	(HB)
IC3102	C0DBZLB00003	IC	1	
IC3103	C1AB00002158	IC	1	
IC3104	PST9128NR	IC (LOGIC)	1	
IC3105	C0JBAZ002269	IC	1	
IC3150	C0JBAA000419	IC	1	
IC3201	C3HBKZ000002	IC	1	
IC3251	C0ZBZ0000967	IC	1	
IC3301	MM1065ZMR	LINEAR IC	1	
IC3302	C0DBEZG00018	IC	1	
IC3303	AN80L25RMS	IC	1	
IC3304	C0JBAZ002344	IC	1	
IC3305	JLC1562BF	MOS IC (MICON LSI) *	1	
IC3502	TVRN650	IC	1	
IC3699	C3EBGC000065	IC	1	
IC6101-04	C0ZBZ0000895	IC	4	
IC6106	C0JBAZ000005	IC	1	
IC6107	NJM2903M	INTEGRATED CIRCUIT	1	
IC6109	C0DBEMB00005	LINEAR IC	1	
IC6431	C0DBEMB00005	LINEAR IC	1	
IC6451	C0CBALC00015	IC	1	
IC6452	C0DBEMB00005	LINEAR IC	1	
IC6453	C0CBALC00015	IC	1	
IC6454,55	C0CBADC00089	IC	2	
IC6471,72	C0DBEMB00005	LINEAR IC	2	
IC6491	C0DBEMB00005	LINEAR IC	1	
IC6500	C0JBAZ000994	IC	1	
IC6509	C0JBAZ000994	IC	1	
IC6511	C0ZBZ0001033	IC	1	
IC6512	C0CBADC00089	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC6521	C0ZBZ0001033	IC	1	
IC6541,42	C0ZBZ0001033	IC	2	
IC6543	C0CBADC00089	IC	1	
IC6544	C0ZBZ0001033	IC	1	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	
IC6601-03	C0ZBZ0000895	IC	3	
IC6604	C0JBAA000174	IC	1	
IC6605,06	C0JBAZ000005	IC	2	
IC6901-06	AN16042A-VT	IC	6	
IC6957-62	AN16042A-VT	IC	6	
IC7101-04	C0JBAZ001120	IC	4	
IC7201-04	C0JBAZ001120	IC	4	
IC7301-04	C0JBAZ001120	IC	4	
IC7401-04	C0JBAZ001120	IC	4	
IC8001	MC14052BF	MOS IC (CMOS GATE ARRLY)	1	
IC8003	C1AA00000706	IC	1	
IC8005	C0JBAB000646	IC	1	
IC8007	C0JBAR000419	IC	1	
IC8009	C0JBAS000215	IC	1	
IC8014	C0ZBZ0000911	IC	1	
IC8016	C0JBAZ001934	IC	1	
IC8100	C0CBAKG00008	IC	1	
IC8181	C1DB00001208	IC	1	
IC9001	C0FBAD000102	IC	1	
IC9002	C0CBCBC00190	IC	1	
IC9031	C0JBAZ002198	IC	1	
IC9101	C0ZBZ0000764	IC	1	
IC9102	C0JBAZ002198	IC	1	
IC9103	C0JBAE000354	IC	1	
IC9151,52	C0JBAZ000856	IC	2	
IC9201	C1ZBZ0002917	IC	1	
IC9202	C0EBD0000038	IC	1	
IC9203	TVRN629	IC	1	
IC9301	C3ABQJ000042	IC	1	
IC9302	MN845121-A		1	
IC9303	TVRN706	IC	1	PAVCCZ
IC9304-06	C0JBAZ000856	IC	3	
IC9501	MN845111-A		1	
IC9502	C1ZBZ0002769	IC	1	
IC9504	C3ABQJ000042	OR C3ABQJ000031	1	
IC9506	C0DBAHE00017	IC	1	
IC9605	PST9128NR	IC (LOGIC)	1	
IC9607,08	C0DBEJG00001	IC	2	
IC9701	MN102H90MPD	IC	1	
IC9702	TVRN501-1	IC	1	PAVCCZ
IC9703	TVRN639	IC	1	
IC9703	TVRN639	IC	1	PAVCCZ
IC9704	C0EBE0000447	IC	1	
IC9711	C0JBAE000354	IC	1	
IC9713	C0JBAS000215	IC	1	
IC9714	C0JBAZ000856	IC	1	
IC9715	C0JBAE000354	IC	1	
IC9953	C0DBEJG00001	IC	1	
IC9954	C0DBEGE00002	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
J1	K1KA20AA0335	20P CONNECTOR	1	
J2	K1KA06BA0047	6P CONNECTOR	1	
J3	K1KA40AA0009	40P CONNECTOR	1	
J4	K1KA11BA0051	11P CONNECTOR	1	
J5	K1KA21B00008	21P CONNECTOR	1	
J6	K1KA21B00009	21P CONNECTOR	1	
J7,J8	K1KA03BA0055	3P CONNECTOR	2	
J10	K1KA06BA0050	6P CONNECTOR	1	
J11-13	K1KB80B00024	80P CONNECTOR	3	
J14	K1KA22A00067	22P CONNECTOR	1	
J15	K1KA03BA0047	3P CONNECTOR	1	
JK3001	K1CB106B0027	CONNECTOR	1	
JK3002	K1QBB2AB0005	CONNECTOR	1	
JK3004	K2HA204B0097	JACK	1	
JK3509	K1FB109BA018	CONNECTOR	1	
JK3511	K1FB115BA020	CONNECTOR	1	
JK3513	K2HC103B0105	JACK	1	
JK8500	K4BC02B00013	TERMINAL	1	
JS801-16	ERJ6GEY0R00	M 0 OHM, 1/10W	16	
JS3301-06	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
JS3308-10	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS6001,02	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
JS6100	ERD25V0T	M OHM, 1/10W	1	
JS6534	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS6649	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS8094-97	J0JCC0000100	CHIP INDUCTOR	4	
K601	DG12D1-0	RELAY	1	⚠
K602	DJ12D2-0	RELAY	1	⚠
L301,02	EXCELSR35	FERRITE BEAD INDUCTOR	2	
L401,02	EXCELSA35	BEAD CHOKE	2	
L452	EXCELDR35	FERRITE BEAD INDUCTOR	1	
L454,55	EXCELDR35	FERRITE BEAD INDUCTOR	2	
L501	EXCELSA35	BEAD CHOKE	1	
L503	EXCELDR35	FERRITE BEAD INDUCTOR	1	
L601,02	P2570205Z	FILTER CHOKE	2	⚠
L604	S3783106Z	CHOKE	1	
L606	ELF15N004A	FILTER CHOKE	1	⚠
L607,08	EXCELDR35	FERRITE BEAD INDUCTOR	2	
L612	EXCELDR35	FERRITE BEAD INDUCTOR	1	
L614	EXCELDR35	FERRITE BEAD INDUCTOR	1	
L801	G1C470MA0078	INDUCTOR COIL	1	
L802	G1C101MA0078	INDUCTION COIL	1	
L803	G1C220MA0078	INDUCTION COIL	1	
L804-11	J0JHC0000078	CHIP INDUCTOR	8	
L851	G0A680ZA0047	CHOKE COIL	1	
L1501-08	J0JHC0000078	CHIP INDUCTOR	8	
L2330,31	G0A221ZA0041	CHOKE COIL	2	
L3001	J0HABB000003	LC FILTER	1	(HB)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L3001	J0HABB000004	LC FILTER	1	(J)
L3002	G1C100K00020	INDUCTION COIL	1	(J)
L3002	J0HABB000004	LC FILTER	1	(HB)
L3003	G1C100K00020	INDUCTION COIL	1	(J)
L3003	J0HABB000004	LC FILTER	1	(HB)
L3005	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
L3005	G1C100K00020	INDUCTION COIL	1	(J)
L3006	G1C100K00020	INDUCTION COIL	1	(J)
L3006	J0E8004B0008	LC FILTER	1	(HB)
L3007	G1C2R2K00006	INDUCTION COIL	1	
L3050	G1C100K00020	INDUCTION COIL	1	
L3051,52	ELJNA1R5JF	INDUCTION COIL	2	
L3102-04	ELJPA100KB	CHIP INDUCTOR	3	
L3140	J0JHC0000078	CHIP INDUCTOR	1	
L3201	ELJPA100KB	CHIP INDUCTOR	1	
L3251,52	ELJPA2R2MF	CHIP INDUCTOR	2	
L3305-08	ELKE103FA	NOISE FILTER	4	
L3526	ELJPA100KB	CHIP INDUCTOR	1	
L3555	ELJPA100KB	CHIP INDUCTOR	1	
L6101-03	G0AR60MA0003	CHOKE COIL	3	
L6104-06	G0A1R4MA0003	CHOKE COIL	3	
L6107,08	J0JJC0000021	CHIP INDUCTOR	2	
L6113	G0ZZ00002183	PEAKING COIL	1	
L6114	G0C101K00023	PEAKING COIL	1	
L6115-17	G0ZZ00002183	PEAKING COIL	3	
L6119,20	G0ZZ00002183	PEAKING COIL	2	
L6122	G0ZZ00002183	PEAKING COIL	1	
L6124	G0ZZ00002183	PEAKING COIL	1	
L6130	G0ZZ00002183	PEAKING COIL	1	
L6132	G0ZZ00002183	PEAKING COIL	1	
L6134	G0ZZ00002183	PEAKING COIL	1	
L6136	G0ZZ00002183	PEAKING COIL	1	
L6152-57	G0ZZ00002183	PEAKING COIL	6	
L6158,59	J0JJC0000021	CHIP INDUCTOR	2	
L6161,62	J0JJC0000011	CHIP INDUCTOR	2	
L6431	J0JJC0000021	CHIP INDUCTOR	1	
L6451	J0JJC0000021	CHIP INDUCTOR	1	
L6471	J0JJC0000021	CHIP INDUCTOR	1	
L6472,73	G0ZZ00002183	PEAKING COIL	2	
L6603,04	G0ZZ00002183	PEAKING COIL	2	
L6607	J0JJC0000021	CHIP INDUCTOR	1	
L6609	G0ZZ00002183	PEAKING COIL	1	
L6611-13	G0AR60MA0003	CHOKE COIL	3	
L6615-17	G0A1R4MA0003	CHOKE COIL	3	
L6618	G0ZZ00002183	PEAKING COIL	1	
L6621,22	G0ZZ00002183	PEAKING COIL	2	
L6625	G0ZZ00002183	PEAKING COIL	1	
L6631,32	G0ZZ00002183	PEAKING COIL	2	
L6635,36	G0ZZ00002183	PEAKING COIL	2	
L6644,45	G0ZZ00002183	PEAKING COIL	2	
L6647,48	G0ZZ00002183	PEAKING COIL	2	
L6650,51	G0ZZ00002183	PEAKING COIL	2	
L6661,62	J0JJC0000011	CHIP INDUCTOR	2	
L8001	G1C100K00020	INDUCTION COIL	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L8003	G1C100K00020	INDUCTION COIL	1	
L8005	G1C100K00020	INDUCTION COIL	1	
L8101-08	J0JHC0000078	CHIP INDUCTOR	8	
L8181	G1C100K00020	INDUCTION COIL	1	
L8501,02	G0A2R5H00003	CHOKE COIL	2	
L9204	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
L9205,06	J0JHC0000096	CHIP INDUCTOR	2	
L9401-03	J0JHC0000096	CHIP INDUCTOR	3	
L9500	G1C150MA0169	INDUCTION COIL	1	
L9501	G1A100ZA0007	CHOKE COIL	1	
L9502	G1C150KA0038	INDUCTION COIL	1	
L9601-04	J0JHC0000096	CHIP INDUCTOR	4	
NPM	MP44S1	MODULE	1	⚠
NPM	IXMM564M-B-9	MODULE	1	⚠
NPM	IXMM564M-F-9	MODULE	1	⚠
NPM	IXMM564M-C-9	MODULE	1	⚠
NPM	MP00P3	MODULE	1	⚠
NPM	IXMM564M-G-9	MODULE	1	⚠
NPM	IXMM564M-E-9	MODULE	1	⚠
NPM	MP00P5	MODULE	1	⚠
NPM	IXMM564M-D-9	MODULE	1	⚠
P2	B6B-EH-A	CONNECTOR	1	
P5	B11B-PH-KS	CONNECTOR	1	
P9	B3P4VH-B-L	CONNECTOR	1	⚠
P10	B6B-PH-KS	CONNECTOR	1	
P11	B7B-EH-A	CONNECTOR	1	
P12	B10B-PH-KS	CONNECTOR	1	
P23	B3B-PH-KS	CONNECTOR	1	
P25	B20B-PHDSS	CONNECTOR	1	
P30	B5B-PH-KS	CONNECTOR	1	
PB30	K1KA05AA0193	5P CONNECTOR	1	
PB31	K1KA03AA0192	3P CONNECTOR	1	
PB33	K1KA03AA0192	3P CONNECTOR	1	
PB35	K1KA03AA0192	3P CONNECTOR	1	
PC6434	B3PBA0000223	IC	1	
PC6458	B3PBA0000223	IC	1	
PC6467	B3PBA0000223	IC	1	
PC6469	B3PBA0000223	IC	1	
PC6474	B3PBA0000223	IC	1	
PC6480	B3PBA0000223	IC	1	
PC6501,02	B3PBA0000234	IC	2	
PC6503	B3PBA0000233	IC	1	
PC6505	B3PBA0000233	IC	1	
PC6507	B3PBA0000233	IC	1	
Q332	2SD2098	TRANSISTOR	1	
Q333	2SB1386RT100	TRANSISTOR	1	
Q402	2SB766A	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q451-53	HAT1130R	FIELD EFFECT TRANSISTOR	3	
Q551	HAT1130R	FIELD EFFECT TRANSISTOR	1	
Q553,54	HAT1130R	FIELD EFFECT TRANSISTOR	2	
Q555	2SB709A	TRANSISTOR	1	
Q601	2SK3302	FIELD EFFECT TRANSISTOR	1	⚠
Q602	2SD2098	TRANSISTOR	1	
Q603	2SB1386	TRANSISTOR	1	
Q605	2SB709A	TRANSISTOR	1	
Q606	2SD601A	TRANSISTOR	1	
Q850	2SC3311A	TRANSISTOR	1	
Q1540	2SD601A	TRANSISTOR	1	
Q2300	B1BBCF000028	TRANSISTOR	1	
Q2331	B1BBCF000028	TRANSISTOR	1	
Q2333,34	2SD601A	TRANSISTOR	2	
Q2370,71	2SB709A	TRANSISTOR	2	
Q2372	2SD601A	TRANSISTOR	1	
Q3001	2SB709A	TRANSISTOR	1	(J)
Q3001	2SD601A	TRANSISTOR	1	(HB)
Q3002	2SD601A	TRANSISTOR	1	
Q3003	2SD601A	TRANSISTOR	1	(HB)
Q3003	2SD601A	TRANSISTOR	1	(J)
Q3004	2SD601A	TRANSISTOR	1	
Q3005	2SD601A	TRANSISTOR	1	
Q3006,07	2SB709A	TRANSISTOR	2	
Q3023	2SD601A	TRANSISTOR	1	
Q3051,52	2SD601A	TRANSISTOR	2	
Q3101	2SB709A	TRANSISTOR	1	(HB)
Q3101	2SD601A	TRANSISTOR	1	(J)
Q3102	2SD1030	TRANSISTOR	1	(HB)
Q3102,03	2SD601A	TRANSISTOR	2	(J)
Q3104	2SD1030	TRANSISTOR	1	
Q3531,32	2SD601A	TRANSISTOR	2	
Q6001	2SK3997000VE	FET	1	
Q6005	2SK3999000VH	FET	1	
Q6010-12	B1JADN000001	TRANSISTOR	3	
Q6101	B1ABNF000006	TRANSISTOR	1	
Q6102	B1ADNF000006	TRANSISTOR	1	
Q6115-17	B1JADN000001	TRANSISTOR	3	
Q6127,28	B1DFKM000002	TRANSISTOR	2	
Q6132	B1ABNF000006	TRANSISTOR	1	
Q6133	B1ADNF000006	TRANSISTOR	1	
Q6134	B1ABNF000006	TRANSISTOR	1	
Q6135	B1ADNF000006	TRANSISTOR	1	
Q6138	2SC1473A	TRANSISTOR	1	
Q6141	2SD601A	TRANSISTOR	1	
Q6144	B1ABNF000006	TRANSISTOR	1	
Q6145	B1ADNF000006	TRANSISTOR	1	
Q6431	B1BBCJ000004	TRANSISTOR	1	
Q6432	2SB0709A	TRANSISTOR	1	
Q6435	2SD601A	TRANSISTOR	1	
Q6451	2SD1263A	TRANSISTOR	1	
Q6455	2SD814A	TRANSISTOR	1	
Q6471	B1BAEJ000014	TRANSISTOR	1	
Q6472	2SB0709A	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6474	2SD814A	TRANSISTOR	1	
Q6475-77	2SD601A	TRANSISTOR	3	
Q6491	2SD1263A	TRANSISTOR	1	
Q6492	2SC1473A	TRANSISTOR	1	
Q6501-05	2SK620	FET	5	
Q6511,12	B1DFFM000003	TRANSISTOR	2	
Q6520	2SD601A	TRANSISTOR	1	
Q6521	B1DFES000002	TRANSISTOR	1	
Q6523	B1ADNF000006	TRANSISTOR	1	
Q6524,25	B1ABNF000006	TRANSISTOR	2	
Q6526	B1ADNF000006	TRANSISTOR	1	
Q6530-40	B1DFHN000001	TRANSISTOR	11	
Q6551	2SD601A	TRANSISTOR	1	
Q6552	B1DEET000002	TRANSISTOR	1	
Q6554	2SD601A	TRANSISTOR	1	
Q6560-68	B1DFKM000002	TRANSISTOR	9	
Q6581	2SD601A	TRANSISTOR	1	
Q6582,83	B1DFET000001	TRANSISTOR	2	
Q6586	B1ADNF000006	TRANSISTOR	1	
Q6601-03	B1JADN000001	TRANSISTOR	3	
Q6608	B1ABNF000006	TRANSISTOR	1	
Q6609	B1ADNF000006	TRANSISTOR	1	
Q6611-13	B1JADN000001	TRANSISTOR	3	
Q6619	B1ABNF000006	TRANSISTOR	1	
Q6620	B1ADNF000006	TRANSISTOR	1	
Q6627	B1ABNF000006	TRANSISTOR	1	
Q6628	B1ADNF000006	TRANSISTOR	1	
Q6629	B1ABNF000006	TRANSISTOR	1	
Q6630	B1ADNF000006	TRANSISTOR	1	
Q6634	2SK3997000VE	FET	1	
Q6639,40	2SK620	FET	2	
Q6649	2SK3999000VH	FET	1	
Q6731	2SD1263A	TRANSISTOR	1	
Q8002	2SD601A	TRANSISTOR	1	
Q8010	2SD601A	TRANSISTOR	1	
Q8011	2SB709A	TRANSISTOR	1	
Q8012	2SD601A	TRANSISTOR	1	
Q8013	2SB709A	TRANSISTOR	1	
Q8019	2SD601A	TRANSISTOR	1	
Q8181-84	2SK2731T146	FET	4	
Q8200-02	2SD601A	TRANSISTOR	3	
Q9074	2SK2731T146	FET	1	
Q9076	2SD601A	TRANSISTOR	1	
Q9078	2SD601A	TRANSISTOR	1	
Q9201,02	2SD601A	TRANSISTOR	2	
Q9300-04	2SD601A	TRANSISTOR	5	
Q9500,01	B1MBCDA00002	TRANSISTOR	2	
Q9502	B1ABMD000004	TRANSISTOR	1	
Q9703-07	2SD601A	TRANSISTOR	5	
Q9708	2SK2731T146	FET	1	
Q9709-13	2SD601A	TRANSISTOR	5	
Q9951	2SD601A	TRANSISTOR	1	
R308	MPC5WR27KS	METAL PLATE RESISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R311	ERJ6GEYJ2R2	M 2.2 OHM,J,1/10W	1	
R312	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R313	ERJ14YJ100	M 10 OHM, J,1/4W	1	
R314	ERJ6GEYJ2R2	M 2.2 OHM,J,1/10W	1	
R321	MPC5WR47KS	METAL PLATE RESISTOR	1	
R323	MPC5WR47KS	METAL PLATE RESISTOR	1	
R325	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R326,27	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R336	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R339	ERJ12YJ330	M 33 OHM,J, 1/2W	1	
R340,41	ERJ12YJ333	M 33KOHM,J, 1/2W	2	
R342	ERJ6ENF1650	M 165 OHM, 1/10W	1	
R343	ERJ12YJ333	M 33KOHM,J, 1/2W	1	
R345	ERJ12YJ333	M 33KOHM,J, 1/2W	1	
R346,47	ERJ12YJ220	M 22 OHM,J, 1/2W	2	
R350,51	ERJ6ENF6192	M61.9KOHM, 1/10W	2	
R352	ERJ6ENF6192	M61.9KOHM, 1/10W	1	
R353	ERJ6ENF6192	M61.9KOHM, 1/10W	1	
R354,55	ERJ6ENF1303	M 130KOHM, 1/10W	2	
R356	ERJ14YJ753	M 75KOHM,J, 1/2W	1	
R358	ERG2SJ150	M 15 OHM, J, 2W	1	
R359	ERJ14YJ753	M 75KOHM,J, 1/2W	1	
R364	ERG2SJ683	M 68KOHM, J, 2W	1	
R365	ERJ3GSYJ332	M 3.3KOHM,J,1/16W	1	
R366,67	ERJ6GEYJ682	M 6.8KOHM,J,1/10W	2	
R368	ERJ6ENF7502	M 75KOHM, 1/10W	1	
R369-71	ERJ6GEYJ823	M 82KOHM,J,1/10W	3	
R373,74	ERJ14YJ753	M 75KOHM,J, 1/2W	2	
R379	ERJ12YJ473	M 47KOHM,J, 1/2W	1	
R381	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R382,83	ERJ6GEYJ333	M 33KOHM,J,1/10W	2	
R384	ERJ6GEYJ393	M 39KOHM,J,1/10W	1	
R386-89	ERJ6ENF1052	M10.5KOHM, 1/10W	4	
R394	ERJ6ENF1052	M10.5KOHM, 1/10W	1	
R395,96	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R398,99	ERJ14YJ753	M 75KOHM,J, 1/2W	2	
R401	ERJ3GSYJ103	M 10KOHM,J,1/16W	1	
R405	MPC5WR39KS	METAL PLATE RESISTOR	1	
R406	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R407	ERJ14YJ334	M 330KOHM, 1/2W	1	
R408	SG734K271	CHIP RESISTOR	1	
R410	ERJ14YJ332	M 33KOHM, J,1/4W	1	
R411	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R412	ERJ14YJ472	M 4.7KOHM,J, 1/2W	1	
R413,14	ERJ14YJ334	M 330KOHM, 1/2W	2	
R415,16	ERJ6GEYJ563	M 56KOHM,J,1/10W	2	
R426	ERJ14YJ470	M 47 OHM,J, 1/2W	1	
R429-31	ERJ6GEYJ563	M 56KOHM,J,1/10W	3	
R432	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R456	ERJ6ENF4302	M 43KOHM, 1/10W	1	
R457,58	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R459	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R460	ERG2SJ331	METAL OXIDE RESISTOR	1	
R473	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R475,76	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R480	ERG2SJ561	M 560 OHM, J, 2W	1	
R481	ERJ6ENF4302	M 43KOHM, 1/10W	1	
R482	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R508,09	ERJ12YJ100	M 10 OHM,J, 1/2W	2	
R510	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R558	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R559	ERJ12YJ151	M 150 OHM,J, 1/2W	1	
R561	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R562	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R563	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R564,65	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R602,03	5K150JA	WIREWOUND RESISTOR	2	
R604,05	ERDS1TJ474	C 4.7KOHM, J,1/2W	2	
R606	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R607	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R608	ERG3FJS820D	M 82 OHM, J, 3W	1	
R609-12	ERJ6ENF1213	M 121KOHM, 1/10W	4	
R613,14	ERJ6GEYJ154	M 150KOHM,J,1/10W	2	
R615-17	MPC5WR27KS	METAL PLATE RESISTOR	3	
R618	ERG3FJS820D	M 82 OHM, J, 3W	1	
R620	ERJ12YJ680	M 68 OHM,J, 1/2W	1	
R621	ERJ12YJ151	M 150 OHM,J, 1/2W	1	
R623	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R624	ERJ6GEYJ183	M 18KOHM,J,1/10W	1	
R625	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R626	ERJ12YJ680	M 68 OHM,J, 1/2W	1	
R627	ERJ12YJ151	M 150 OHM,J, 1/2W	1	
R628	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R629	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R630	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R632,33	ERJ6GEYJ154	M 150KOHM,J,1/10W	2	
R634-37	ERJ6ENF2553	M 255KOHM, 1/10W	4	
R638	ERJ6ENF2493	M 249KOHM, 1/10W	1	
R640,41	ERJ6ENF5493	M 549KOHM, 1/10W	2	
R642	ERJ6ENF2493	M 249KOHM, 1/10W	1	
R644	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R646	ERJ6GEYJ154	M 150KOHM,J,1/10W	1	
R649	ERJ6ENF5493	M 549KOHM, 1/10W	1	
R653-55	ERJ6GEYJ183	M 18KOHM,J,1/10W	3	
R656-59	ERJ6GEYJ824	M 820KOHM,J,1/10W	4	
R681,82	ERJ6GEYJ824	M 820KOHM,J,1/10W	2	
R683	ERC12ZGK185D	S 1.8MOHM, K,1/2W	1	
R717	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R801	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R802	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R803	ERJ3EKF9102	M91.0KOHM, 1/16W	1	
R804	ERJ3GEYJ394	M 390KOHM,J,1/16W	1	
R805	ERJ3EKF8452	M84.5KOHM, 1/16W	1	
R806	ERJ3EKF1052	M10.5KOHM, 1/16W	1	
R808,09	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R810	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R811	ERJ3EKF9102	M91.0KOHM, 1/16W	1	
R812	ERJ3GEYJ823	M 82KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R813	ERJ3EKF4222	M42.2KOHM, 1/16W	1	
R814	ERJ3EKF1052	M10.5KOHM, 1/16W	1	
R815	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R816,17	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R818	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R819	ERJ3EKF9102	M91.0KOHM, 1/16W	1	
R820	ERJ3GEYJ823	M 82KOHM,J,1/16W	1	
R821	ERJ3EKF2432	M24.3KOHM, 1/16W	1	
R822	ERJ3EKF1052	M10.5KOHM, 1/16W	1	
R823	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R824	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R825-27	ERJ3GEYJ822	M 8.2KOHM,J,1/16W	3	
R850	ER0S2CKF4701	M 4.7KOHM, F,1/4W	1	
R851	ERDS2TJ332	C 3.3KOHM, J,1/4W	1	
R852	ERDS2TJ473	C 47KOHM, J,1/4W	1	
R853	ERDS2TJ471	C 470 OHM, J,1/4W	1	
R854	ERDS2TJ122	C 1.2KOHM, J,1/4W	1	
R856	ERDS2TJ122T	C 1.2KOHM, J,1/4W	1	
R858	ERDS2TJ122	C 1.2KOHM, J,1/4W	1	
R862	ER0S2CHF7501	M 7.5KOHM, F,1/4W	1	
R863	ER0S2CKF9100	M 910 OHM, F,1/4W	1	
R1301,02	ERJ12YJ333	M 33KOHM,J, 1/2W	2	
R1500	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R1510	ERJ3GEYF222	M 2.2KOHM, 1/16W	1	
R1511	ERJ3GEYF302	M 3.0KOHM, 1/16W	1	
R1512	ERJ3GEYF472	M 4.7KOHM, 1/16W	1	
R1513	ERJ3GEYF822	M 8.2KOHM,J,1/16W	1	
R1550	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R1551	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R1552	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R1553	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R1554	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	
R1738	ERJ3GSYJ103	M 10KOHM,J,1/16W	1	
R2351-54	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R2355-60	ERDS1FJ2R2	C 2.2 OHM, J,1/2W	6	
R2365	ERX1FJSR56D	M0.56 OHM, J, 1W	1	
R2367	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R2368,69	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R2370	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R2371,72	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R2373	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2374	ERX1FJSR56D	M0.56 OHM, J, 1W	1	
R2376	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R2377	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2383	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2384	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2385	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2386	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R2387	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R2388	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2389-92	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R2393	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R2394-96	ERJ6GEYJ103	M 10KOHM,J,1/10W	3	
R2397	ERJ6GEYJ512	M 5.1KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2398	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2399,400	ERJ6GEYJ220	M 22 OHM,J,1/10W	2	
R2404-07	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R2408-11	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
R2412	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2413	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2414	ERJ3GEYJ122	M 1.2KOHM,J,1/16W	1	
R2415	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2416	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2417	ERJ3GEYJ122	M 1.2KOHM,J,1/16W	1	
R2418,19	ERJ3GEYJ473	M 47KOHM,J,1/16W	2	
R2420	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2421,22	ERJ3GEYJ183	M 18KOHM,J,1/16W	2	
R2423	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3001	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3001	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HB)
R3002	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(J)
R3002	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HB)
R3003	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)
R3003	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	(J)
R3004	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3004	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HB)
R3005	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	(J)
R3005	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HB)
R3006	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)
R3006	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	(J)
R3007	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3007	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	(HB)
R3008	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3008	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)
R3009	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3009	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3010	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3010	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(HB)
R3011	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)
R3011	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	(J)
R3012	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	(HB)
R3012	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(J)
R3013	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	(J)
R3013	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3014	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	(HB)
R3014	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(J)
R3015	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3015	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3016	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3016	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3017	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3017	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3018	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3018	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3019	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3019	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3020	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3020	J0JCC0000100	CHIP INDUCTOR	1	(J)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3021	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3021	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3022	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3022	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3023	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3023	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	(HB)
R3024	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3024	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3025	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3025	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3026	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3026	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)
R3027	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3027,28	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	(J)
R3028	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3029	ERJ3EKF2200	M 220 OHM, 1/16W	1	(HB)
R3029	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3030	ERJ3EKF3900	M 390 0HM, 1/16W	1	(HB)
R3030	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3031	ERJ3EKF4700	M 470 OHM, 1/16W	1	(HB)
R3031	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3032	ERJ3EKF1200	M 120 OHM, 1/16W	1	(HB)
R3032,33	J0JCC0000100	CHIP INDUCTOR	2	(J)
R3033	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3034	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3035	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3035	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	(J)
R3036	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	(J)
R3036	ERJ6ENF1800	M 180 OHM, 1/10W	1	(HB)
R3037	ERJ3EKF2200	M 220 OHM, 1/16W	1	(HB)
R3037	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3038	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	(HB)
R3038	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3039	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3040	ERJ3EKF3300	M 330 OHM, 1/16W	1	(HB)
R3040	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	(J)
R3041	ERJ3EKF1800	M 180 OHM, 1/16W	1	(HB)
R3041	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	(J)
R3042	ERJ3EKF6801	M 6.8KOHM, 1/16W	1	(HB)
R3042	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3043	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	(HB)
R3043	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3044	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3044	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3045	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3045	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3046	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3046	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3047	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3047	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3048	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3048	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3049	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3049	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3050	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3050	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HB)
R3051	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3051	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3052	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3052	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3053	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(HB)
R3053	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3054	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3054	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3055	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(HB)
R3055	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3056	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3056	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3057	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3057	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3058	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3058	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3059	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3060	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(J)
R3060	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3061	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	(HB)
R3061	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3062	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	(HB)
R3062	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	(J)
R3063	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3064	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R3065	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(HB)
R3065-69	ERJ6GEYJ560	M 56 OHM,J,1/10W	5	(J)
R3070-75	ERJ6ENF75R0	M 75 OHM, 1/10W	6	
R3076-81	ERJ6GEYJ560	M 56 OHM,J,1/10W	6	
R3082	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3088-93	ERJ6ENF75R0	M 75 OHM, 1/10W	6	
R3101	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HB)
R3101	ERJ6ENF1800	M 180 OHM, 1/10W	1	(J)
R3102	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
R3102,03	ERJ6ENF1800	M 180 OHM, 1/10W	2	(J)
R3104	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HB)
R3104,05	ERJ6ENF1800	M 180 OHM, 1/10W	2	(J)
R3106	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)
R3106	ERJ6ENF1800	M 180 OHM, 1/10W	1	(J)
R3107	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R3108	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3109	ERJ6ENF8200	M 820 OHM, 1/10W	1	
R3110	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R3111	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R3112	ERJ3EKF1501	M 1.5KOHM, 1/16W	1	(HB)
R3113	ERJ3EKF1501	M 1.5KOHM, 1/16W	1	(HB)
R3114	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3115	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3116	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3116	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(HB)
R3117	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3117	J0JCC0000100	CHIP INDUCTOR	1	(J)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3118	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
R3118	ERJ6ENF8200	M 820 OHM, 1/10W	1	(J)
R3119	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	
R3120	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3121	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	
R3122	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	
R3123	ERJ3EKF1502	M 15KOHM, 1/16W	1	
R3124	ERJ3EKF10R0	M 10 OHM, 1/16W	1	
R3125	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
R3125	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	(J)
R3126	J0JCC0000100	CHIP INDUCTOR	1	
R3127	ERJ6ENF12R0	M 12 OHM, 1/10W	1	
R3128,29	ERJ3GEYJ181	M 180 OHM,J,1/16W	2	(J)
R3129	ERJ6ENF12R0	M 12 OHM, 1/10W	1	(HB)
R3130	ERJ3GEYJ181	M 180 OHM,J,1/16W	1	
R3131	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R3134	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	(J)
R3134	ERJ6ENF10R0	M 10 OHM, 1/10W	1	(HB)
R3135	ERJ6ENF10R0	M 10 OHM, 1/10W	1	
R3136-39	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3140	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HB)
R3140	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	(J)
R3141	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
R3141	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	(J)
R3142	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3143,44	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R3145	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3147	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	1	
R3148	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HB)
R3148	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(J)
R3149	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	1	(J)
R3149	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HB)
R3150,51	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	(J)
R3151	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HB)
R3152	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(J)
R3152	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	(HB)
R3153	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3154,55	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R3156	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R3157	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3158	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	1	
R3159	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3160	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	(HB)
R3160	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	(J)
R3161	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	(HB)
R3161	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	(J)
R3162	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	
R3163	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(J)
R3163	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	(HB)
R3164-67	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3168	ERJ3EKF2000	M 200 OHM, 1/16W	1	
R3169-72	ERJ6ENF75R0	M 75 OHM, 1/10W	4	
R3173	ERJ3EKF2200	M 220 OHM, 1/16W	1	
R3174	ERJ3GEY0R00	M 0 OHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3177	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3178	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3179	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3180	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3181	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3182	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3183	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3184	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3185	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3188	ERJ6ENF39R0	M 39 OHM, 1/10W	1	
R3189	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
R3189,90	ERJ6ENF39R0	M 39 OHM, 1/10W	2	(J)
R3192,93	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3194	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3195,96	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3197,98	ERJ3GEYJ123	M 12KOHM,J,1/16W	2	
R3210,11	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3212-15	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	4	
R3216-19	ERJ6GEYJ3R3	M 3.3KOHM,J,1/10W	4	
R3230,31	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3251	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R3252	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3253	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R3254,55	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3300,01	ERJ3EKF1501	M 1.5KOHM, 1/16W	2	
R3302	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R3303,04	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3305	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3307	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3308,09	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3313	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3314,15	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3319	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3337,38	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3400	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R3508,09	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R3510,11	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3529,30	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R3547,48	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3585,86	ERJ6GEYJ560	M 56 OHM,J,1/10W	2	
R3589	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3590	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R3591-93	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R3653	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3654	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3655	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3656	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3663,64	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3668	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3672	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3776,77	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3778	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3790,91	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R6002,03	ERJ14YJ5R6U	M 6.2OHM, 1/4W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6005,06	ERJ14YJ5R6U	M 6.2OHM, 1/4W	2	
R6020-25	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6081-83	ERJ6ENF8202	M 82KOHM, 1/10W	3	
R6100,01	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6102	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6106-11	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6112	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6113	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6114,15	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6116	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6117-20	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
R6121,22	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6123	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6124-27	ERJ6GEYJ101	M 100 OHM,J,1/10W	4	
R6129	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6134	ERG2FJS221D	M 220 OHM, J, 2W	1	
R6135	ERG1FJS472D	M 4.7KOHM, J, 1W	1	
R6136	ERG2FJS123D	M 12KOHM, J, 2W	1	
R6140	ERJ6GEYJ203	M 20KOHM,J,1/10W	1	
R6141	ERJ6GEYJ243	M 24KOHM,J,1/10W	1	
R6142	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6144	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6145	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6147	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6148,49	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6150	ERJ6GEYJ243	M 24KOHM,J,1/10W	1	
R6151	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6152,53	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6154	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R6155,56	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	2	
R6157	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6158	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6159	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6160	EXB38V470J	RESISTOR ARRAY	1	
R6161	EXB38V472J	RESISTOR ARRAY	1	
R6162	EXB38V470J	RESISTOR ARRAY	1	
R6163	EXB38V472J	RESISTOR ARRAY	1	
R6164,65	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6166,67	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6171,72	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6175	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6176,77	ERX2FJSR22D	M0.22 OHM, J, 2W	2	
R6181	ERG2FJS221D	M 220 OHM, J, 2W	1	
R6183	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6187	ERX2FJSR22D	M0.22 OHM, J, 2W	1	
R6188	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6189	ERX2FJSR22D	M0.22 OHM, J, 2W	1	
R6191	ERX2FJSR22D	M0.22 OHM, J, 2W	1	
R6193	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6195	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6197	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6198,99	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6214	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6431,32	ERJ12YJ1R0	M 1 OHM, J,1/2W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6433	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6434	ERDS1FJ221	C 220 OHM, J,1/2W	1	
R6435	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6436	ERJ6ENF1543	M 154KOHM, 1/10W	1	
R6437	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6438	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R6439-41	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	3	
R6442	ERJ6ENF9531	M9.53KOHM, 1/10W	1	
R6443	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R6444,45	ERJ6GEYJ563	M 56KOHM,J,1/10W	2	
R6446	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6448	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R6450,51	ERX1FJSR22D	M0.22 OHM, J, 1W	2	
R6452	ERJ12YJ153U	M 15KOHM, 1/2W	1	
R6453	ERJ6GEYJ513	M 51KOHM,J,1/10W	1	
R6454	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6455	ERJ14YJ433U	M 43KOHM, 1/2W	1	
R6456	ERJ6ENF6202	M 62KOHM, 1/10W	1	
R6457,58	ERJ6ENF2491	M2.49KOHM, 1/10W	2	
R6459	ERG2FJS101D	M 100 OHM, J, 2W	1	
R6460,61	ERJ6GEYJ513	M 51KOHM,J,1/10W	2	
R6464	ERJ6ENF6202	M 62KOHM, 1/10W	1	
R6465	ERG3FNJS8R2E	M 8.2 OHM, J, 3W	1	
R6466	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6467	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R6468	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6469	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R6470	ERJ14YJ203U	M 20KOHM, 1/2W	1	
R6472	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6473	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6474	ERG2FJS680D	M 680 OHM, J, 2W	1	
R6475	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6476	ERJ6ENF2403	M 240KOHM, 1/10W	1	
R6478	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R6479	ERJ6GEYJ513	M 51KOHM,J,1/10W	1	
R6480	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6481	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R6482	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6483	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R6484	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6485,86	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6487	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6488	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6489	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6491	ERJ12YJ104U	M 100KOHM, 1/2W	1	
R6492	ERJ6ENF2153	M 215KOHM, 1/10W	1	
R6493	ERJ6ENF2703	M 270KOHM, 1/10W	1	
R6494	ERJ6ENF1432	M14.3KOHM, 1/10W	1	
R6495	ERJ6ENF5231	M5.23KOHM, 1/10W	1	
R6496	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6497	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6498,99	ERG2FNJS8R2E	M 8.2 OHM, J, 2W	2	
R6500	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R6501-09	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	9	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6510	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6511,12	ERX3FJS2R2D	M 2.2 OHM, J, 3W	2	
R6513	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6514	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6515	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6516	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6517	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6518	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6519	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6520	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6521	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6522	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6523	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6524	ERJ6ENF5621	M5.62KOHM, 1/10W	1	
R6525	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6526	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6527	ERJ14YJ102	M 1KOHM, J,1/4W	1	
R6528	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6529	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6530-40	ERJ6GEYJ470	M 47 OHM,J,1/10W	11	
R6542	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6543	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6544	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6545	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6546	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6547,48	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	2	
R6549	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6550	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6551	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6552	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6553	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6554,55	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6556	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6557	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6558	ERJ6ENF5621	M5.62KOHM, 1/10W	1	
R6559	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6560-68	ERJ6GEYJ100	M 10 OHM,J,1/10W	9	
R6570	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6571-78	ERJ6GEYJ471	M 470 OHM,J,1/10W	8	
R6579	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6580	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6581	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6582,83	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6584	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R6585,86	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	2	
R6587	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6588	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6589	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6590,91	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6592,93	ERJ6GEYJ105	M 1MOHM,J,1/10W	2	
R6594	ERG1FJS104D	M 100KOHM, J, 1W	1	
R6595-98	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	4	
R6599	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6600	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6602	ERG1FJS471D	M 470 OHM, J, 1W	1	
R6603	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6604	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6605-07	ERJ6GEYJ224	M 220KOHM,J,1/10W	3	
R6608	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6609,10	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6611-16	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6625-30	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6633	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6634,35	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R6636-38	ERJ6GEYJ151	M 150 OHM,J,1/10W	3	
R6639	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6640	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6641,42	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6643	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6644	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6645,46	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6647	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6648-50	ERJ6GEYJ102	M 1KOHM,J,1/10W	3	
R6651	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6654,55	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6657-59	ERJ6GEYJ102	M 1KOHM,J,1/10W	3	
R6660	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6663,64	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6665	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6666-69	ERJ6GEYJ104	M 100KOHM,J,1/10W	4	
R6670,71	ERJ6GEYJ154	M 150KOHM,J,1/10W	2	
R6672	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6675,76	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6677	ERG1FJS101D	M 100 OHM, J, 1W	1	
R6687,88	ERX2FJSR22D	M0.22 OHM, J, 2W	2	
R6691	EXB38V470J	RESISTOR ARRAY	1	
R6692	EXB38V472J	RESISTOR ARRAY	1	
R6693	EXB38V470J	RESISTOR ARRAY	1	
R6694	EXB38V472J	RESISTOR ARRAY	1	
R6695	EXB38V470J	RESISTOR ARRAY	1	
R6696	EXB38V472J	RESISTOR ARRAY	1	
R6697	EXB38V470J	RESISTOR ARRAY	1	
R6698	EXB38V472J	RESISTOR ARRAY	1	
R6701-03	ERJ6ENF8202	M 82KOHM, 1/10W	3	
R6801,02	EXB38V680J	RESISTOR ARRAY	2	
R6815	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R6828,29	ERJ14YJ5R6U	M 6.2OHM, 1/4W	2	
R6852,53	ERJ14YJ5R6U	M 6.2OHM, 1/4W	2	
R6901	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6902-06	ERJ6GEYJ221	M 220 OHM,J,1/10W	5	
R6911-14	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6915,16	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6971	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6972-76	ERJ6GEYJ221	M 220 OHM,J,1/10W	5	
R6981-84	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6985,86	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R7100	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R7102	TAJAAH0470JV	M 47 OHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7103	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R7104-07	ERJ12YJ220	M 22 OHM,J, 1/2W	4	
R7108,09	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R7111	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7114-19	EXB38V470J	RESISTOR ARRAY	6	
R7120	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R7122	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7123	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R7124	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R7125-27	ERJ12YJ220	M 22 OHM,J, 1/2W	3	
R7128	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7129	ERJ12YJ220	M 22 OHM,J, 1/2W	1	
R7131	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7132-35	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7137	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7140	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R7142	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7143	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7145-47	ERJ12YJ220	M 22 OHM,J, 1/2W	3	
R7148	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7149	ERJ12YJ220	M 22 OHM,J, 1/2W	1	
R7151-57	TAJAAH0470JV	M 47 OHM,J,1/16W	7	
R7158	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7160	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R7162	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7163	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7165-67	ERJ12YJ220	M 22 OHM,J, 1/2W	3	
R7168	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7169	ERJ12YJ220	M 22 OHM,J, 1/2W	1	
R7171	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7172,73	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7174-79	EXB38V431J	RESISTOR ARRAY	6	
R7200	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R7202	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7205-07	ERJ12YJ220	M 22 OHM,J, 1/2W	3	
R7208	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7209	ERJ12YJ220	M 22 OHM,J, 1/2W	1	
R7211	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7212,13	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7214-19	TAJAAH0470JV	M 47 OHM,J,1/16W	6	
R7220	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R7222	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7224	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7225-27	ERJ12YJ220	M 22 OHM,J, 1/2W	3	
R7228	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7229	ERJ12YJ220	M 22 OHM,J, 1/2W	1	
R7231	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7232-37	EXB38V470J	RESISTOR ARRAY	6	
R7238	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7240	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R7242	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7244	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7245-47	ERJ12YJ220	M 22 OHM,J, 1/2W	3	
R7248	ERJ6GEY0R00	M 0 OHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7249	ERJ12YJ220	M 22 OHM,J, 1/2W	1	
R7251	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7252	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R7253	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R7254-57	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7260	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R7262	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7265-67	ERJ12YJ220	M 22 OHM,J, 1/2W	3	
R7268	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7269	ERJ12YJ220	M 22 OHM,J, 1/2W	1	
R7271	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7272,73	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7274	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7275-80	EXB38V431J	RESISTOR ARRAY	6	
R7300	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R7301,02	EXB38V470J	RESISTOR ARRAY	2	
R7303	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7305-07	ERJ12YJ220	M 22 OHM,J, 1/2W	3	
R7308	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7309	ERJ12YJ220	M 22 OHM,J, 1/2W	1	
R7310	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7311	EXB38V470J	RESISTOR ARRAY	1	
R7312	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7314-17	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7318	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R7319	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R7320	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R7321,22	EXB38V470J	RESISTOR ARRAY	2	
R7323	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7325-27	ERJ12YJ220	M 22 OHM,J, 1/2W	3	
R7328	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7329	ERJ12YJ220	M 22 OHM,J, 1/2W	1	
R7330	EXB38V470J	RESISTOR ARRAY	1	
R7331	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7332	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7339	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7340	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R7341,42	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7343	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7345-47	ERJ12YJ220	M 22 OHM,J, 1/2W	3	
R7348	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7349	ERJ12YJ220	M 22 OHM,J, 1/2W	1	
R7350-52	TAJAAH0470JV	M 47 OHM,J,1/16W	3	
R7354-57	TAJAAH0470JV	M 47 OHM,J,1/16W	4	
R7358,59	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R7360	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R7363	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7365-67	ERJ12YJ220	M 22 OHM,J, 1/2W	3	
R7368	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7369	ERJ12YJ220	M 22 OHM,J, 1/2W	1	
R7370,71	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7372	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7400	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R7401	ERJ6GEY0R00	M 0 OHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7403	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7405-07	ERJ12YJ220	M 22 OHM,J, 1/2W	3	
R7408	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7409	ERJ12YJ220	M 22 OHM,J, 1/2W	1	
R7410	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7412	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7414-17	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7418	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R7419	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R7420	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R7423	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7425-27	ERJ12YJ220	M 22 OHM,J, 1/2W	3	
R7428	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7429	ERJ12YJ220	M 22 OHM,J, 1/2W	1	
R7430	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7432	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7434-39	EXB38V470J	RESISTOR ARRAY	6	
R7440	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R7441	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7443	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7445-47	ERJ12YJ220	M 22 OHM,J, 1/2W	3	
R7448	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7449	ERJ12YJ220	M 22 OHM,J, 1/2W	1	
R7452	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7460	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R7463	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7465-67	ERJ12YJ220	M 22 OHM,J, 1/2W	3	
R7468	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7469	ERJ12YJ220	M 22 OHM,J, 1/2W	1	
R7470,71	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7472	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7483-88	TAJAAH0470JV	M 47 OHM,J,1/16W	6	
R7489,90	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R8001-04	J0JCC0000100	CHIP INDUCTOR	4	
R8009-12	ERJ3GEYJ271	M 270 OHM,J,1/16W	8	
R8017,18	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R8021	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R8025	J0JCC0000100	CHIP INDUCTOR	1	
R8026	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R8029	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R8031	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R8033	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R8035	ERJ6ENF3300	M 330 OHM, 1/10W	1	
R8036	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R8037	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R8039	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R8041	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R8045,46	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R8047	ERJ3GEYJ271	M 270 OHM,J,1/16W	1	
R8048	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R8050,51	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R8055,56	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R8057	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R8058,59	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8065	D0GB911JA002	M 910 OHM,J,1/16W	1	
R8067	D0GB911JA002	M 910 OHM,J,1/16W	1	
R8069	ERJ6GEYJ681	M 680 OHM,J,1/10W	1	
R8072	J0JCC0000100	CHIP INDUCTOR	1	
R8089	ERJ3GEYJ181	M 180 OHM,J,1/16W	1	
R8093	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R8097,98	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R8100	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R8117-20	J0JCC0000100	CHIP INDUCTOR	4	
R8121,22	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R8124-27	ERJ6GEYJ101	M 100 OHM,J,1/10W	4	
R8129	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R8131-35	ERJ3GEY0R00	M 0 OHM, 1/16W	5	
R8181	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R8182	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R8183,84	J0JCC0000100	CHIP INDUCTOR	2	
R8185,86	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R8187,88	ERJ6GEYJ560	M 56 OHM,J,1/10W	2	
R8189,90	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R8200	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R8201	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R8202,03	ERJ3GEYJ223	M 22KOHM,J,1/16W	2	
R8204	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R8205	ERJ3GEYJ563	M 56KOHM,J,1/16W	1	
R8206	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R8207	J0JCC0000100	CHIP INDUCTOR	1	
R9001-03	EXB2HVR000	RESISTOR ARRAY	3	
R9004	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9005	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9006	ERJ3EKF6801	M 6.8KOHM, 1/16W	1	
R9007	ERJ3GEYJ390	M 39 OHM,J,1/16W	1	
R9008	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9009	ERJ3GEYJ390	M 39 OHM,J,1/16W	1	
R9010	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9011	ERJ3GEYJ390	M 39 OHM,J,1/16W	1	
R9012-14	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9016-19	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9020	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9021	ERJ3GEYJ100V	M 10 OHM,J, 1/16W	1	
R9023	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9024	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R9028-30	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9032	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9034	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9035-38	TAJAAH0101JV	M 100 OHM,J,1/16W	4	
R9039-42	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9043,44	ERJ3GEYJ122	M 1.2KOHM,J,1/16W	2	
R9088	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9094	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9101,02	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9104-07	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9108	EXB38V103J	RESISTOR ARRAY	1	
R9109	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9110,11	EXB38V103J	RESISTOR ARRAY	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9112	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9114,15	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9116-26	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	11	
R9127	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9129,30	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9131,32	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9133,34	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9137	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9139	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9140	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9142	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9144	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9145	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9149	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9151,52	D1HG1038A002	NETWORK RESISTER	2	
R9156,57	EXB2HV470JV	RESISTOR ARRAY	2	
R9158	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9159	ERJ3GEYJ103V	M 10KOHM,J,1/16W	1	
R9171	ERJ3GEYJ470V	M 47 OHM,J, 1/16W	1	
R9205	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9207	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9209	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9211-20	TAJAAH0101JV	M 100 OHM,J,1/16W	10	
R9221,22	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9223	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9226,27	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9229	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9237	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9238	EXB38V470J	RESISTOR ARRAY	1	
R9239	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9240-43	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9244	ERJ3GEYJ220V	M 22 OHM,J, 1/16W	1	
R9245	ERJ3GEYJ102V	M 1KOHM,J, 1/16W	1	
R9249	ERJ3GEY0R00V	M 0 OHM, 1/16W	1	
R9250	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9251	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9252	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9256,57	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9260	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9266	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9267	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9271-73	EXB2HV820JV	RESISTOR ARRAY	3	
R9274,75	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9276	ERJ3GEYJ220V	M 22 OHM,J, 1/16W	1	
R9277-79	EXB2HV101JV	RESISTOR ARRAY	3	
R9280,81	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9282	ERJ3GEYJ220V	M 22 OHM,J, 1/16W	1	
R9283	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9284	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9286	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9287,88	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9293-95	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	
R9296	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9297	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9388,89	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9390	EXB38V470J	RESISTOR ARRAY	1	
R9391-93	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9394,95	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9396,97	EXB38V470J	RESISTOR ARRAY	2	
R9400-03	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9406,07	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9411	EXB2HV470JV	RESISTOR ARRAY	1	
R9412	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9413-17	ERJ3GEY0R00	M 0 OHM, 1/16W	5	
R9418	EXB2HV470JV	RESISTOR ARRAY	1	
R9419	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9420	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9421,22	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9423	EXB2HV470JV	RESISTOR ARRAY	1	
R9424	EXB38V470J	RESISTOR ARRAY	1	
R9425,26	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9427	EXB2HV470JV	RESISTOR ARRAY	1	
R9428	EXB38V470J	RESISTOR ARRAY	1	
R9429,30	EXB2HV470JV	RESISTOR ARRAY	2	
R9431	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9432	EXB2HV470JV	RESISTOR ARRAY	1	
R9433	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9434	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9435	EXB2HV470JV	RESISTOR ARRAY	1	
R9436	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9437-40	EXB2HV470JV	RESISTOR ARRAY	4	
R9441,42	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9443	EXB38V470J	RESISTOR ARRAY	1	
R9444	EXB2HV470JV	RESISTOR ARRAY	1	
R9445	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9446,47	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9449	D1HG33080001	NETWORK RESISTER	1	
R9450	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	
R9451	D1HG33080001	NETWORK RESISTER	1	
R9453	D1HG33080001	NETWORK RESISTER	1	
R9454,55	EXB2HV103JV	RESISTOR ARRAY	2	
R9456	ERJ3GEYJ103V	M 10KOHM,J,1/16W	1	
R9457	D1HG33080001	NETWORK RESISTER	1	
R9458	ERJ3GEYJ103V	M 10KOHM,J,1/16W	1	
R9459	D1HG33080001	NETWORK RESISTER	1	
R9461	D1HG33080001	NETWORK RESISTER	1	
R9463	D1HG33080001	NETWORK RESISTER	1	
R9466-68	D1HG1038A002	NETWORK RESISTER	3	
R9469-72	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9473	EXB38V470J	RESISTOR ARRAY	1	
R9474	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9475	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9476	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9477	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9478	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9479	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9480	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9481	ERJ3GEY0R00	M 0 OHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9482	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9484	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9485	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9486	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9487	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9488	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9489	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9490	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9491	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9492	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9493	ERJ6ENF1101	M 1.1KOHM, 1/10W	1	
R9494	ERJ6ENF3161	M3.16KOHM, 1/10W	1	
R9495-98	ERJ6ENF1001	M 1KOHM, 1/10W	4	
R9551,52	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9553	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9554	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9556	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9557	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9558	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9559	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9560	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9562	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9589	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9591	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9592,93	ERJ3EKF8201	M 8.2KOHM, 1/16W	2	
R9594	ERJ3EKF3002	M 30KOHM, 1/16W	1	
R9595	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R9596	ERJ3EKF2322	M23.2KOHM, 1/16W	1	
R9597	ERJ3EKF4702	M 47KOHM, 1/16W	1	
R9599	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R9600	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	
R9602	ERJ3GEY0R00V	M 0 OHM, 1/16W	1	
R9603	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9604	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9605	ERJ3GEY0R00V	M 0 OHM, 1/16W	1	
R9606	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9607	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9608	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9609	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9610	ERJL14KJ20M	M 20 OHM, J,1/4W	1	
R9611	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9612	ERJL14KJ20M	M 20 OHM, J,1/4W	1	
R9613	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9614	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9616	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9618,19	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R9620	ERJ6ENF1101	M 1.1KOHM, 1/10W	1	
R9621	ERJ6ENF3161	M3.16KOHM, 1/10W	1	
R9622,23	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R9624-26	TAJAAH0470JV	M 47 OHM,J,1/16W	3	
R9627,28	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9630,31	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9633	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9636	ERJ3GEY0R00	M 0 OHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9638	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9642	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9644	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9647	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9651	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9653,54	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9656-59	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9660,61	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9662	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9663-65	EXB38V470J	RESISTOR ARRAY	3	
R9668,69	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9670	EXB38V470J	RESISTOR ARRAY	1	
R9671,72	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9675-78	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9679,80	EXB38V470J	RESISTOR ARRAY	2	
R9684-86	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9687	EXB38V470J	RESISTOR ARRAY	1	
R9688	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9689	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9690	EXB38V470J	RESISTOR ARRAY	1	
R9696	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9697	EXB38V470J	RESISTOR ARRAY	1	
R9698-700	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9701-03	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9705	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9706,07	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	2	
R9708	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9709	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9710	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9711	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9713	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9714	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9715	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9716	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9718	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9720	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9722,23	EXB2HV470JV	RESISTOR ARRAY	2	
R9725-28	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9729	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9730	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9731	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9732	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9733	EXB38V220J	RESISTOR ARRAY	1	
R9734,35	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R9736	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9737	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9738	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9740	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9741	D1HG33080001	NETWORK RESISTER	1	
R9742	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9743	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9744	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9746	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9747	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9748-50	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9751,52	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9753	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9754	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9755	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9756	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9757	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9759	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R9760	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9761	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9762	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	
R9765	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9766	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R9767	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9768	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R9769	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9771	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9772,73	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9774	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9775	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	
R9777	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9778,79	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9781	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9782	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9783	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9785	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9786	D1HG33080001	NETWORK RESISTER	1	
R9787,88	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9791	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9792	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9793	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9795	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9796	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9797	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9798	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9801	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9803	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9805	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9806	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9807	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9808	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9810	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9811	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9812	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9813	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9814	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9815	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9816	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9817	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9818	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9819	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9820,21	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9822	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9823	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9824	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9825	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R9826	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9827,28	ERJ3GEYJ223V	M 22KOHM,J,1/16W	2	
R9829	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9832	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9833	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9834	ERJ3GEYJ103V	M 10KOHM,J,1/16W	1	
R9836,37	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9838	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R9839	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9840	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9843	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9844	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9845-48	TAJAAH0101JV	M 100 OHM,J,1/16W	4	
R9849	D1HG33080001	NETWORK RESISTER	1	
R9850	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9851	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9852	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9853-55	TAJAAH0101JV	M 100 OHM,J,1/16W	3	
R9857	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9859	D1HG33080001	NETWORK RESISTER	1	
R9860	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9861	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9863	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9864	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9865	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9866	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9868-70	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9871	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9872,73	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9874	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9875	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9876-79	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9880	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9881	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9882	EXB38VR000	RESISTOR ARRAY	1	
R9883	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9884	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9885	EXB38VR000	RESISTOR ARRAY	1	
R9888	D1HG33080001	NETWORK RESISTER	1	
R9890	D1HG33080001	NETWORK RESISTER	1	
R9891-93	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9894	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9895-97	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9901	D1HG33080001	NETWORK RESISTER	1	
R9907	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9908	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9909	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R9910	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9911	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9912	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9913	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9914	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9915	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9916	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9917	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9918	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9919	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9923	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9924	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9971	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9973	ERJ6ENF2002	M 20KOHM, 1/10W	1	
R9974	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R9975-77	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R9981	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9982	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9983	ERJ6ENF1601	M 1.6KOHM, 1/10W	1	
R9984	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9985	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9986	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	
R9991,92	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9993	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9995,96	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
RF601	HUF5K100J14	THERMAL CUTOFF WITH RESISTOR	1	⚠
RM001	PNA4701M05TV	REMOCO RECEIVER	1	
RTL	TNPA3640	CIRCUIT BOARD V1	1	⚠
RTL	TNPA3642	CIRCUIT BOARD S1	1	⚠
RTL	TNPA3003	CIRCUIT BOARD H3	2	⚠
RTL	TNPA3630AB	CIRCUIT BOARD J	1	⚠
RTL	TZTNP020YNS	CIRCUIT BOARD HX	1	⚠
RTL	TXNHA10RBS	CIRCUIT BOARD HA	1	⚠
RTL	TNPA2844AB	CIRCUIT BOARD HB	1	PAVCCZ ⚠
RTL	ETXMM563MDK	CIRCUIT BOARD P	1	⚠
RTL	TNPA3553AB	CIRCUIT BOARD C1	1	⚠
RTL	TNPA3554AB	CIRCUIT BOARD C2	1	⚠
RTL	TNPA3555	CIRCUIT BOARD C3	1	⚠
RTL	TNPA3556	CIRCUIT BOARD C4	1	⚠
RTL	TZTNP01YQSE	CIRCUIT BOARD D	1	PAVCCZ ⚠
RTL	TNPA3655	CIRCUIT BOARD PB	1	⚠
RTL	TNPA3557	CIRCUIT BOARD SC	1	⚠
RTL	TNPA3190AC	CIRCUIT BOARD SD	1	⚠
RTL	TNPA3558	CIRCUIT BOARD SS	1	⚠
RTL	TNPA3675	CIRCUIT BOARD SS2	1	⚠
RTL	TNPA3676	CIRCUIT BOARD SS3	1	⚠
RTL	TNPA3189AC	CIRCUIT BOARD SU	1	⚠
RTL	TNPA3641	CIRCUIT BOARD V2	1	⚠
S34	K1KA03AA0193	3P CONNECTOR	1	
SC2	K1KA06AA0192	6P CONNECTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
SC20	K1KA20AA0008	20P CONNECTOR	1	
SC23	K1KA03AA0193	3P CONNECTOR	1	
SC41,42	K1ML80B00001	80P CONNECTOR	2	
SC45,46	K1KA10A00431	10P CONNECTOR	2	
SC90	K1KA06AA0192	6P CONNECTOR	1	
SD1-D4	K1MN96B00004	96P CONNECTOR	4	
SD46	K1KA10B00209	10P CONNECTOR	1	
SS11	K1KA07AA0192	7P CONNECTOR	1	
SS12	K1KA10AA0194	10P CONNECTOR	1	
SS20,21	K1KA07A00170	7P CONNECTOR	2	
SS22,23	K1KB07AA0087	7P CONNECTOR	2	
SS24	K1KA04AA0193	4P CONNECTOR	1	
SS32	K1KA12AA0194	12P CONNECTOR	1	
SS34	K1KA03AA0193	3P CONNECTOR	1	
SS52,53	K1MN13B00020	13P CONNECTOR	2	
SS55,56	K1MN13B00020	13P CONNECTOR	2	
SU1-U4	K1MN96B00004	96P CONNECTOR	4	
SU45	K1KA10B00209	10P CONNECTOR	1	
SW061	K0F162B00002	SWITCH	1	
SW1550-54	EVQPLHA15	SWITCH	5	⚠
T301	ETB28BF1Z1AH	TRANSFORMER	1	
T401	ETB57LZ135AD	TRANSFORMER	1	
T501	ETB25KA1A8AD	TRANSFORMER	1	
T6431	ETS13TB139AP	SWITCHING TRANS	1	
T6471	ETS22AE2F9AC	SWITCHING TRANS	1	
TH351	PRFCBB471	POSISTOR	1	
V2	K1KA06BA0047	6P CONNECTOR	1	
V15	K1KA03BA0047	3P CONNECTOR	1	
VR351	EVMEASA00B54	VARIABLE RESISTOR	1	
VR352	EVMEASA00B54	VARIABLE RESISTOR	1	
VR451	EVMEASA00B53	VARIABLE RESISTOR	1	
VR6145	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
VR6477	EVMEASA00B13	CONTROL 1KOHMB 0.3W	1	
VR6523	EVMEASA00B53	CONTROL 5KOHMB 0.3W	1	
VR6557	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
X2301	H0J184500020	CRYSTAL	1	
X3101	H0J202500002	CRYSTAL	1	
X8181	H0J327200114	CRYSTAL	1	
X9500	H0J200500038	CRYSTAL	1	
X9701	H0J400400017	CRYSTAL	1	
Z501	ERZVGAD471	VARISTOR	1	⚠
Z601	ERZVGAD751	VARISTOR	1	⚠
Z603	ERZVGAD471	VARISTOR	1	⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
ZA001	K4CD01000013	TERMINAL	1	
ZA007	K4CD01000013	TERMINAL	1	
ZA3001-08	K4CD01000013	TERMINAL	8	
ZA6101-03	K4CD01000013	TERMINAL	3	
ZA6401-03	K4CD01000013	TERMINAL	3	
ZA7101-03	K4CD01000013	TERMINAL	3	
ZA7201-03	K4CD01000013	TERMINAL	3	
ZA7301-03	K4CD01000013	TERMINAL	3	
ZA7401-03	K4CD01000013	TERMINAL	3	
ZD301,02	MA8360	ZENER DIOED	2	
ZD303	MA8360	ZENER DIOED	1	
ZD304-06	MA8360	ZENER DIOED	3	
ZD307	MA8330	ZENER DIODE	1	
ZD308	MA8330	ZENER DIODE	1	
ZD309	MA4051N	ZENER DIODE	1	
ZD310	MA4020	ZENER DIODE	1	
ZD311,12	MA4270N	ZENER DIODE	2	
ZD402	PTZ24B	ZENER DIODE	1	
ZD403	MA8056	ZENER DIODE	1	
ZD404	MA8360	ZENER DIOED	1	
ZD405-09	MA8360	ZENER DIOED	5	
ZD410	MA4220N	ZENER DIODE	1	
ZD413	MA4270N	ZENER DIODE	1	
ZD451	1ZB18	ZENER DIODE	1	
ZD510	MA8270	ZENER DIODE	1	
ZD601	MA4220N	ZENER DIODE	1	
ZD668,69	MA8220	ZENER DIODE	2	

19. Schematic Diagram for printing with A4

D-BOARD TZTNP01YQSE (8/12)

TO DG-BOARD (2/12)

IC9711 C0JBAE000354 OR GATE

IC9701 MN102H90MPD MCU

IC9704 C0EBE0000447 RESET

IC9703 TVRN641 EEPROM

Q9707 B1ABCF000138

Q9706 B1ABCF000138

Q9074 B1CBHD000001

Q9712 B1ABCF000138

Q9076 B1ABCF000138

Q9703 B1ABCF000138

Q9704 B1ABCF000138

Q9705 B1ABCF000138

TO
DG-BOARD
(3/12)

FPGA

IIC

P3V_SCL2 — R9221 4.7 — IC9201 M15 IO_L20P_3 SCL
P3V_SDA2 — R9222 4.7 — IC9201 M16 IO_L20N_3 SDA

MODEL SELECT

FPGA3.3V
IC9201 D5 IO/VREF_0 MODEL0
IC9201 D3 IO_L19P_7 MODEL1
IC9201 C3 IO_L16P_7/VREF_7 MODEL2
R9200 10k, R9205 10k, R9204 10k, R9206 10k

NC

IC9201 G2 IO_L16N_7
IC9201 A3 IO/VREF_0
IC9201 A5 IO
IC9201 B6 IO_L28P_0
IC9201 C6 IO_L28N_0
IC9201 A7 IO
IC9201 B7 IO_L30P_0
IC9201 C7 IO_L30N_0
IC9201 C8 IO_L31P_0/VREF_0
IC9201 T8 IO/VREF_5
IC9201 A9 IO
IC9201 A10 IO_L31N_1/VREF_1
IC9201 B10 IO_L31P_1
IC9201 C10 IO
IC9201 A12 IO
IC9201 B12 IO_L27N_1
IC9201 G12 IO_L23N_2/VREF_2

SYNC

L8_VOUT — R9240 47 — IC9201 N15 IO_L17P_3/VREF_3 XNVD
L7_HOUT — R9241 0 — IC9201 N16 IO_L17N_3 XNHD
AM_VD — R9242 0 — IC9201 J2 IO_L40N_6 VDIAA
AM_HD — R9243 0 — IC9201 J1 IO_L40P_6/VREF_6 HDIAA
AM_CLK — R9244 22 — R9245 1k — IC9201 P8 IO_L32N_5/GCLK3 DCKA
IC9201 G3 IO_L24N_7 VDIAB
IC9201 G2 IO HDIAB
IC9201 N8 IO_L32P_5/GCLK2 DCKB
R9256 0, R9255 0, R9249 1k
VD_M — IC9201 G1 IO_L40P_7 VDA
HD_M — IC9201 H1 IO_L40N_7/VREF_7 HDA
VD_S — IC9201 E2 IO_L20P_7 VDB
HD_S — IC9201 E1 IO_L20N_7 HDB
VD_ADM — R9250 0 — IC9201 G4 IO_L24P_7 VD_ADA
HD_ADM — R9251 0 — IC9201 H3 IO_L39N_7 HD_ADA
CLP_M — R9252 0 — IC9201 H4 IO_L39P_7 CLPA
IC9201 F3 IO_L22P_7 VD_ADB
IC9201 F2 IO_L22N_7 HD_ADB
IC9201 E3 IO_L19N_7/VREF_7 CLPB

RESET

DRVMUTE — IC9201 D16 IO_L17P_2/VREF_2 DRVMUTE
DRVRST — IC9201 C15 IO_L16N_2 DRVRST
NRST — R9260 0, R9267 0 — IC9201 E10 IO_L30P_1 NRST

FREE_RUN CLK

R9266 47 — IC9201 R9 IO_L32N_4/GCLK1 PRCKI

IC9201

C1ZBZ0002917

SYNC SIGNAL CONTROL
LVDS RECEIVER
TTL S/P
DISCHARGE VOLTAGE CONTROL

FLASH_CONTROL

RM_A18 — IC9201 D12 IO/VREF_1 ROM57AD[0]
RM_A19 — IC9201 D11 IO_L28N_1 ROM57AD[1]
RM_A20 — IC9201 D10 IO_L30N_1 ROM57AD[2]

CONTROL

IC9201 B3 PROG_B PROG_B
P_CE — IC9201 R14 DONE DONE
P_INT — IC9201 N9 IO_L31N_4/INIT_B INIT_B
P_DATA — IC9201 M11 IO_L27N_4/DIN/D0 DIN
P_CLK — IC9201 T15 CCLK CCLK
FPGA2.5V — R9229 10k
IC9201 C4 HSWAP_EN HSWAP_EN
IC9201 P9 IO_L31P_4/DOUT/BUSY DOUTBUSY

LSI58

LATCH — R9237 47 — IC9201 J13 IO_L39P_3 LATCH
SFVRST — IC9201 K14 IO_L24N_3 SFVRST
SFRST — IC9201 L14 IO_L22P_3 SFRST
FPDAT1 — IC9201 K15 IO FPDATA1
FPDAT0 — R9238 EXB38V470JV — IC9201 L15 IO_L22N_3 FPDATA0
FPCLK — R9239 47 — IC9201 K16 IO_L40P_3 FPCLK

MICON

AAE_MCDATA_O — IC9201 J16 IO_L40N_3/VREF_3 MCDATA
AAE_MCCLK — IC9201 H16 IO_L40P_2/VREF_2 MCCLK
AAE_MCLD — IC9201 H15 IO_L40N_2 MCLD

OUTPUT_SUB

SUB_R0 — IC9201 R1 IO_L01N_6/VRP_6 S_ROUT0
SUB_R1 — IC9201 P1 IO_L01P_6/VRN_6 S_ROUT1
SUB_R2 — IC9201 P2 IO_L16N_6 S_ROUT2
SUB_R3 — IC9201 N2 IO_L17N_6 S_ROUT3
SUB_R4 — IC9201 T3 IO_L01N_5/RDWR_B S_ROUT4
SUB_R5 — IC9201 R3 IO_L01P_5/CS_B S_ROUT5
SUB_R6 — IC9201 N3 IO_L16P_6 S_ROUT6
SUB_R7 — R9277 EXB2HV820JV — IC9201 M3 IO_L19P_6 S_ROUT7
SUB_G0 — IC9201 T4 IO_L10N_5/VRP_5 S_GOUT0
SUB_G1 — IC9201 R4 IO_L10P_5/VRN_5 S_GOUT1
SUB_G2 — IC9201 M4 IO_L19N_6 S_GOUT2
SUB_G3 — IC9201 L4 IO_L21P_6 S_GOUT3
SUB_G4 — IC9201 T5 IO S_GOUT4
SUB_G5 — IC9201 R5 IO_L27N_5/VREF_5 S_GOUT5
SUB_G6 — IC9201 P5 IO_L27P_5 S_GOUT6
SUB_G7 — R9278 EXB2HV820JV — IC9201 N5 IO S_GOUT7
SUB_B0 — IC9201 L5 IO_L21N_6 S_BOUT0
SUB_B1 — IC9201 K5 IO_L23N_6 S_BOUT1
SUB_B2 — IC9201 R6 IO_L29N_5 S_BOUT2
SUB_B3 — IC9201 P6 IO_L29P_5/VREF_5 S_BOUT3
SUB_B4 — IC9201 N6 IO_L28N_5/D6 S_BOUT4
SUB_B5 — IC9201 M6 IO_L28P_5/D7 S_BOUT5
SUB_B6 — IC9201 N7 IO_L30N_5 S_BOUT6
SUB_B7 — R9279 EXB2HV820JV — IC9201 M7 IO_L30P_5 S_BOUT7
VDO_S — IC9201 P7 IO VDOB
HDO_S — R9280 47 — IC9201 R7 IO_L31P_5/D5 HDOB
DCK_S — R9281 47 — R9282 22 — IC9201 T7 IO_L31N_5/D4 DCKBO

MICON

3.3V — R9288 10k — R9289 100 — R9290 560
STB5V — R9286 22k — C9234 50V 0.01u — R9287 10k
Q9201 B1ABCF000138
Q9202 B1ABCF000138

IC9202

C0EBD0000038

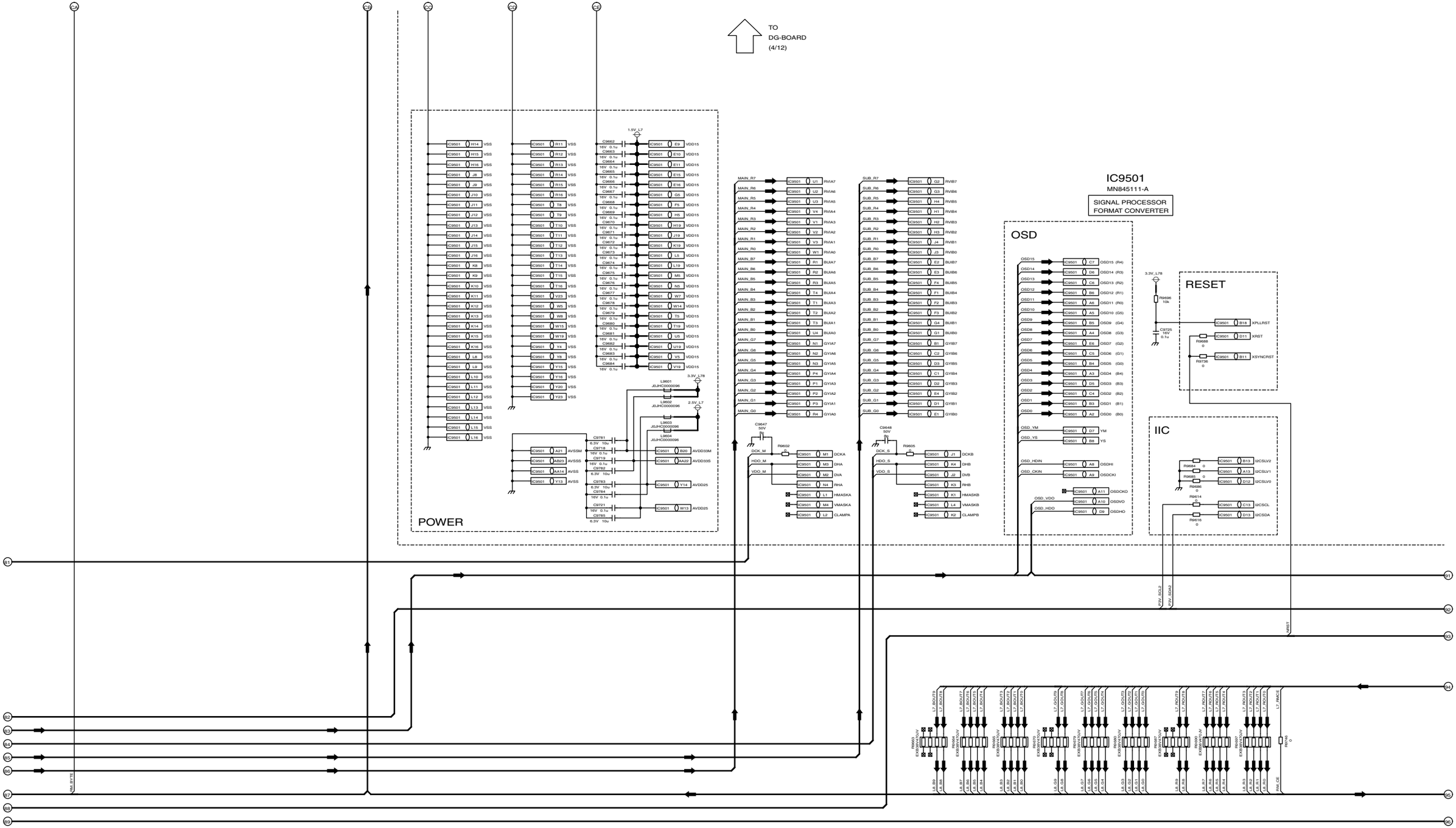
2.5V_3 — R9283 4.7k — R9284 0 — C9241 16V 0.1u
VOUT, VCC, GND, SUB, NC

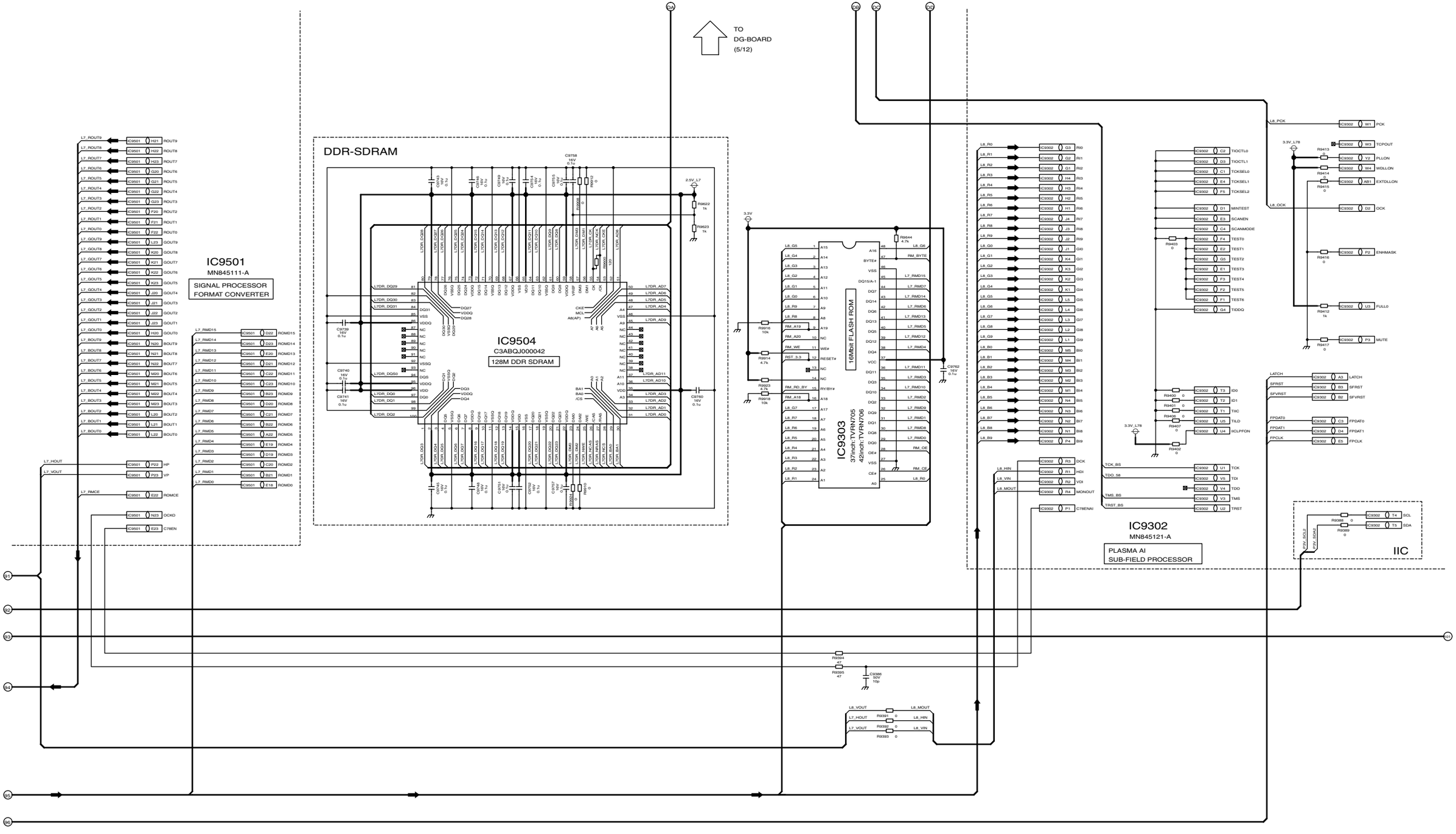
RESET

SRVRST

D-BOARD TZTNP01YQSE (9/12)

TH-42PHD8BK/BS/EK/ES
D-Board (9 of 12) Schematic Diagram


TO
DG-BOARD
(4/12)
IC9501
MN845111-A
SIGNAL PROCESSOR
FORMAT CONVERTER
POWER
OSD
RESET
IIC
1.5V_L7
3.3V_L78
2.5V_L7
D-BOARD TZTNP01YQSE (10/12)



TH-42PHD8BK/BS/EK/ES
D-Board (11 of 12) Schematic Diagram

D-BOARD TZTNP01YQSE (12/12)

TO
DG-BOARD
(6/12)

IC9302
MN845121-A

PLASMA AI
SUB-FIELD PROCESSOR

RESET

DDR-SDRAM

IC9301
C3ABQJ000042
128M DDR SDRAM

TO
C4-BOARD
(C41)

R-DOWN

TO
C3-BOARD
(C31)

L-DOWN

TH-42PHD8BK/BS/EK/ES
D-Board (12 of 12) Schematic Diagram

HB-BOARD TNPA2844AB (1/2)

IC3101
C0DBEZG00004
AVR 2.5V

IC3104
C0EBE0000066
RESET

IC3102
C0DBZLB00001
ERROR DET

IC3003
C0ABGB000001
AMP

IC3002
C0ABGB000001
AMP

IC3001
C0UBAR000111
SWITCH

IC3103
C1AB00001826

Global_tvsiginal_processing_CoreLSI

GC2M+

ver.2_for_Main_processor

IC3201
C3HBKZ000002
MEMORY 5M_FIFO

IC3301
C0CBABB00029
AVR 3.3V

IC3105
C0JBAZ001834
5V=>3.3V

JK3001
K1CB106B0027
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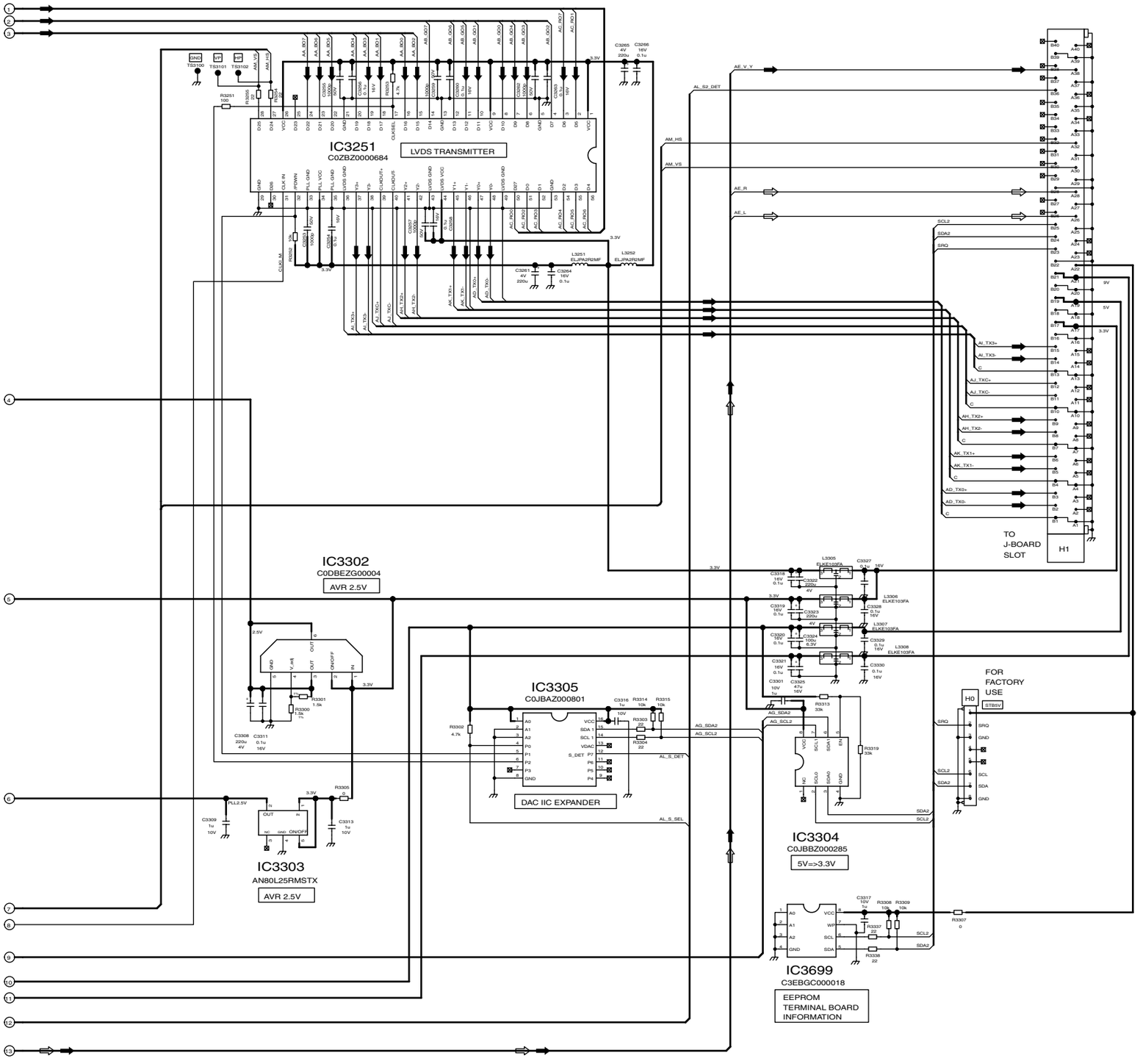
JK3002
K1QBB2AB0005
VIDEO IN/OUT

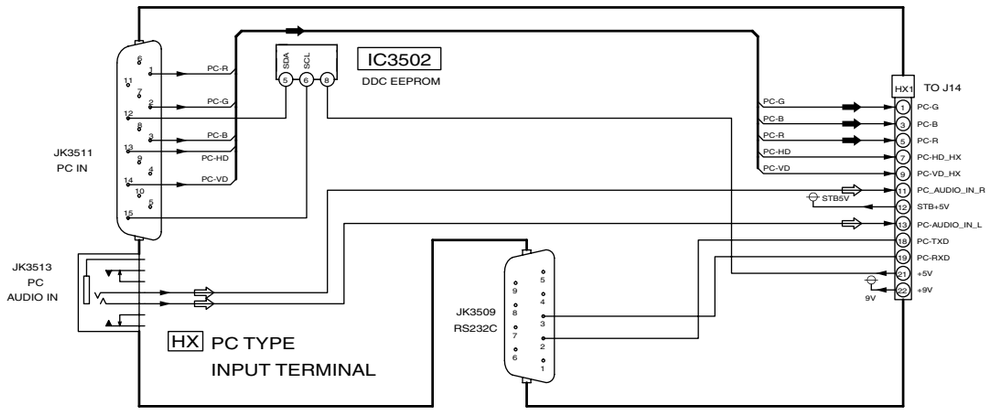
JK3004
K2HA204B0097
AUDIO IN

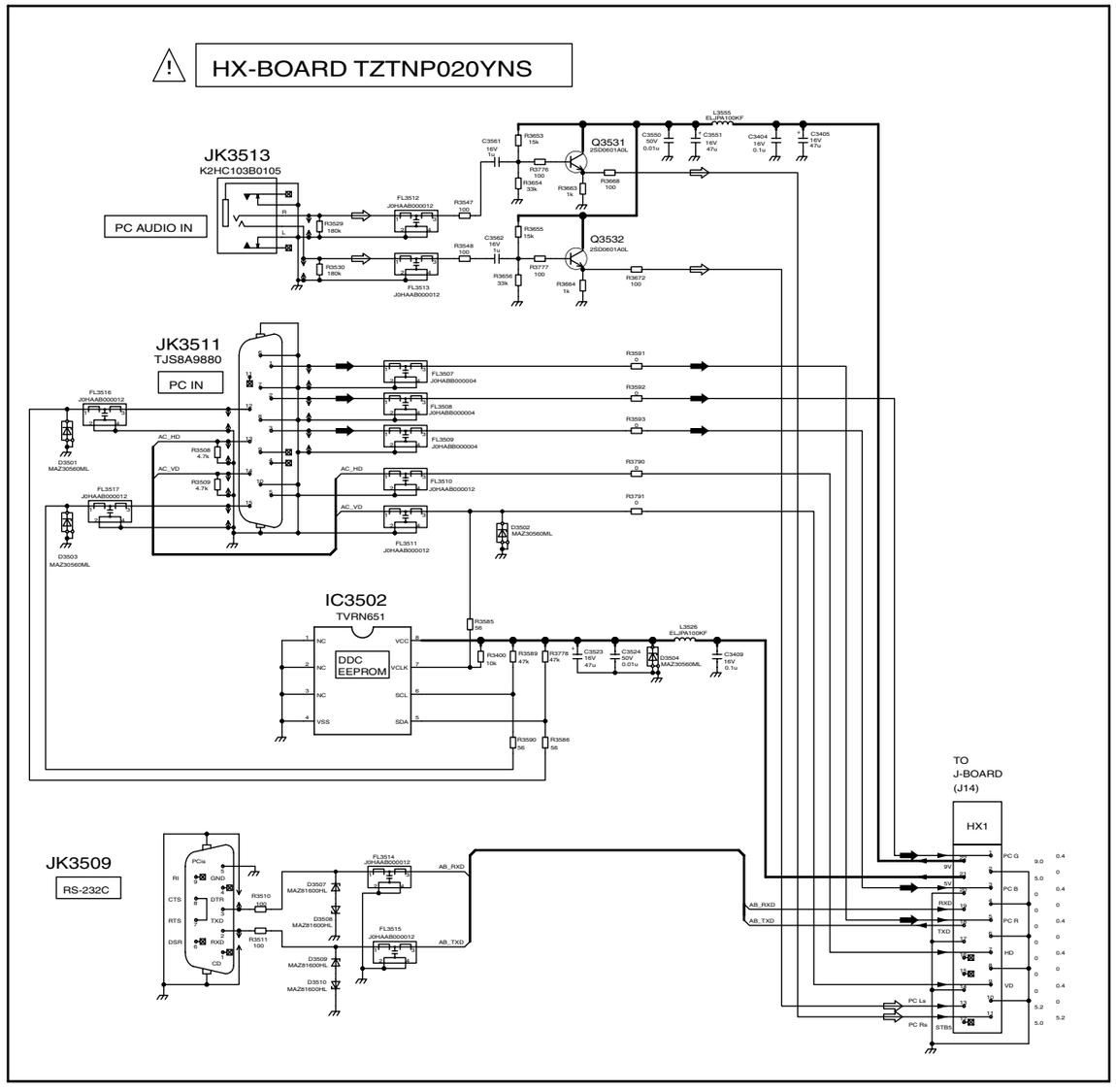
TH-42PHD8BK/BS/EK/ES
HB-Board (1 of 2) Schematic Diagram

TH-42PHD8BK/BS/EK/ES
HB-Board (1 of 2) Schematic Diagram

HB-BOARD TNPA2844AB (2/2)

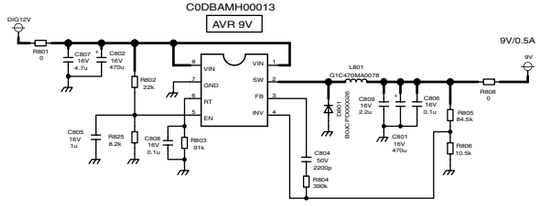


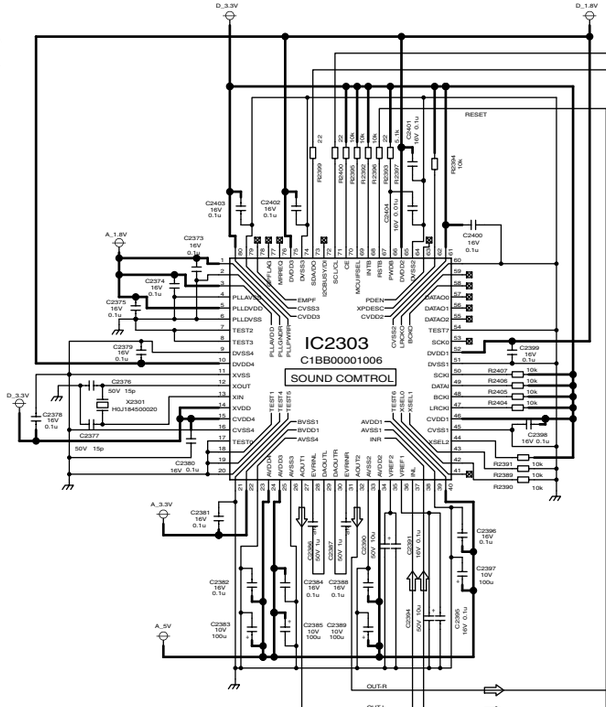


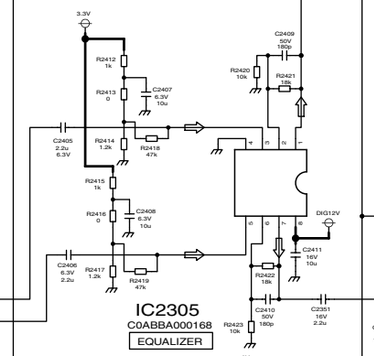


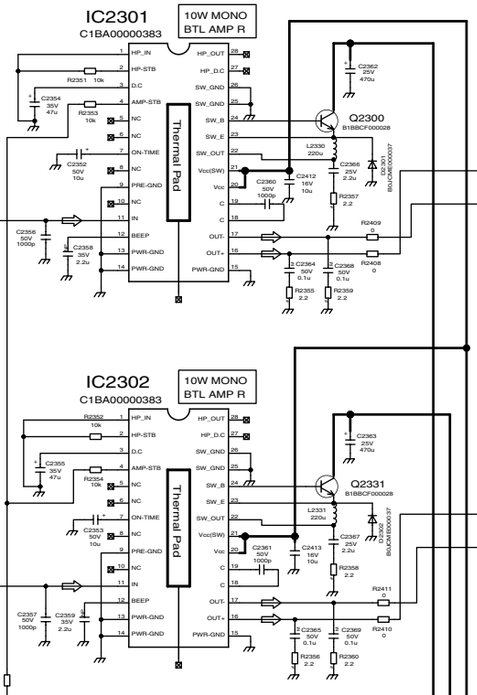
TH-42PHD8BK/BS/EK/ES
HX-Board Block and Schematic Diagram

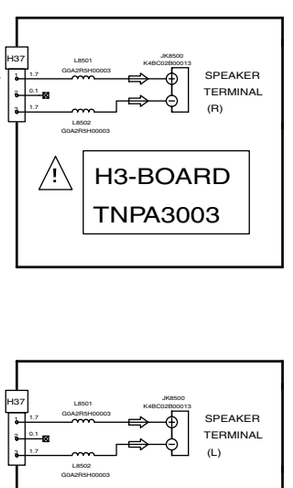
J-BOARD TNPA3630AB (1/4)

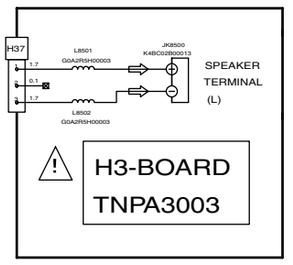


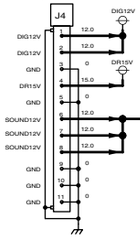


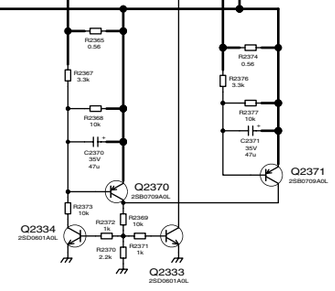


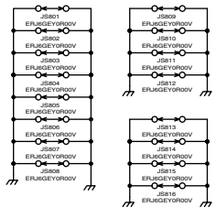


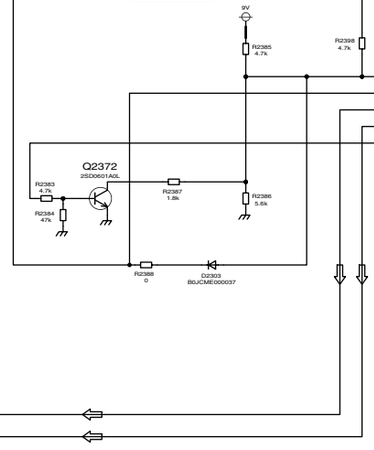












TH-42PHD8BK/BS/EK/ES
J-Board (1 of 4) and H3-Board Schematic Diagram

TH-42PHD8BK/BS/EK/ES
J-Board (1 of 4) and H3-Board Schematic Diagram

IC3008
C0JBAS000215
IIC ON/OFF

IC8001
C0JBAR000241
SYNC SELECT(MAIN)

IC8007
C0JBAR000419
SYNC SWITCH(MAIN)

IC8009
C0JBAS000215
HD SWITCH

IC3001
C0JBAR000241
AUDIO SELECT

IC3007
C0JBAS000215
IIC ON/OFF

IC8100
C0CBAKG00008
AVR 12V

IC8181
C1DB00001208
TIME CLOCK

TO P-BOARD (P10)

TO D-BOARD (D3)

TO D-BOARD (D1)

TO V1-BOARD (V2)

TO V2-BOARD (V15)

⚠ J-BOARD TNPA3630AB (2/4)

TH-42PHD8BK/BS/EK/ES
J-Board (2 of 4) Schematic Diagram

IC8003
C1AA00000706
SYNC SIGNAL PROCESSOR (MAIN)

IC8005
C0JBAB000646
SYNC SIGNAL INVERTER

IC3101
C1AB00002238
VIDEO BUFFER(MAIN)

IC3005
C1AB00002311
COMPONENT SELECT

IC3002
C0JBBR000002
EX.I/O(IIC SW)

IC3004
C1AB00000454
EX.I/O(SLOT DET IIC CONTROL)

IC3003
C1AB00000441
EX I/O(VIDEO/AUDIO SELECT)

TO HX-BOARD (HX1)
J14

J-BOARD TNPA3630AB (3/4)

IC8014
C0ZBZ0000911
RS232C DRIVER

IC3150
C0JBAA000419
AMP

IC8016
C0JBAZ001934
PC SYNC INVERTER

TO D-BOARD (D5)

TO D-BOARD (D5)

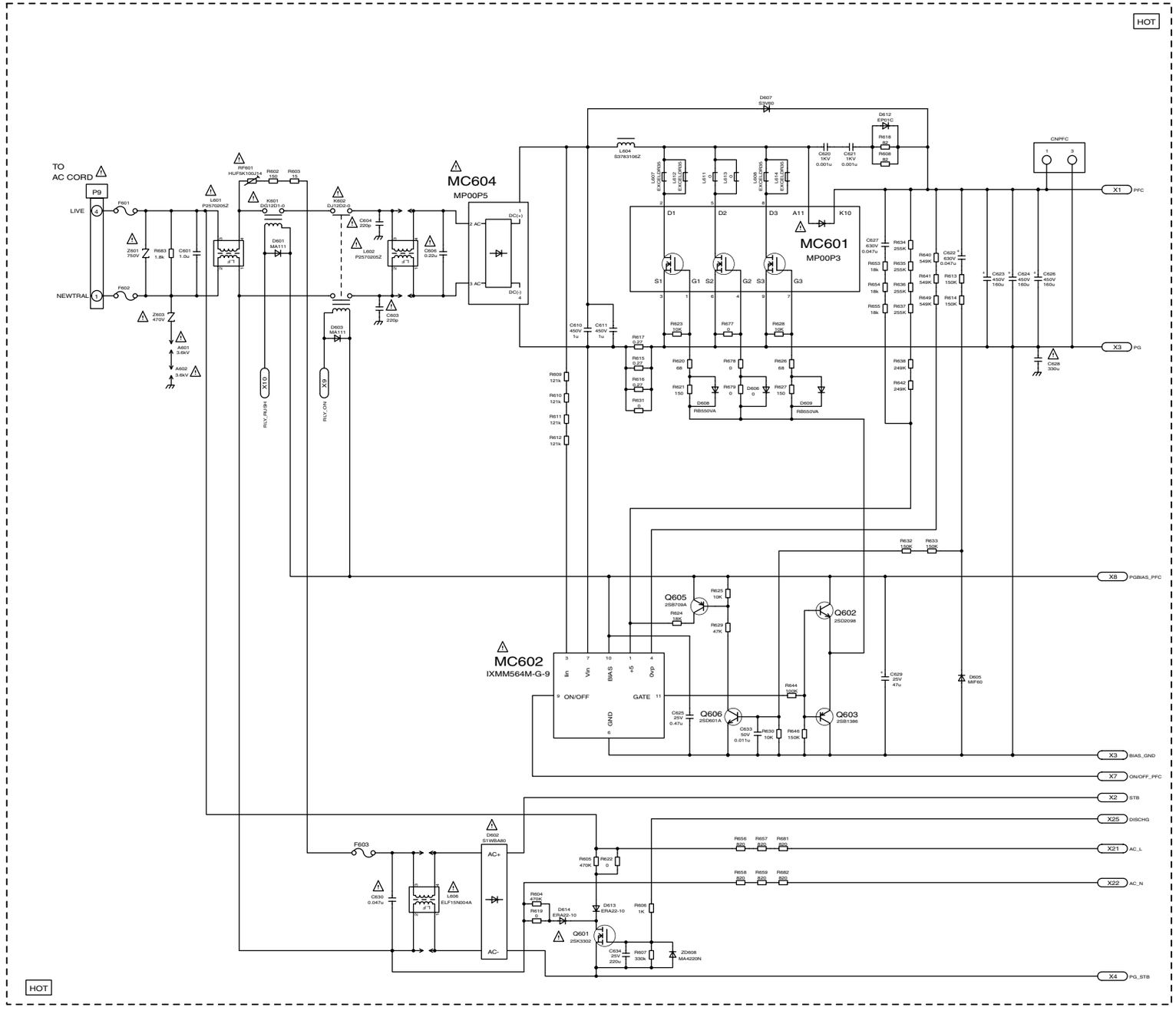
TO SLOT1

TO SLOT2

TO SLOT3

J-BOARD TNPA3630AB (4/4)

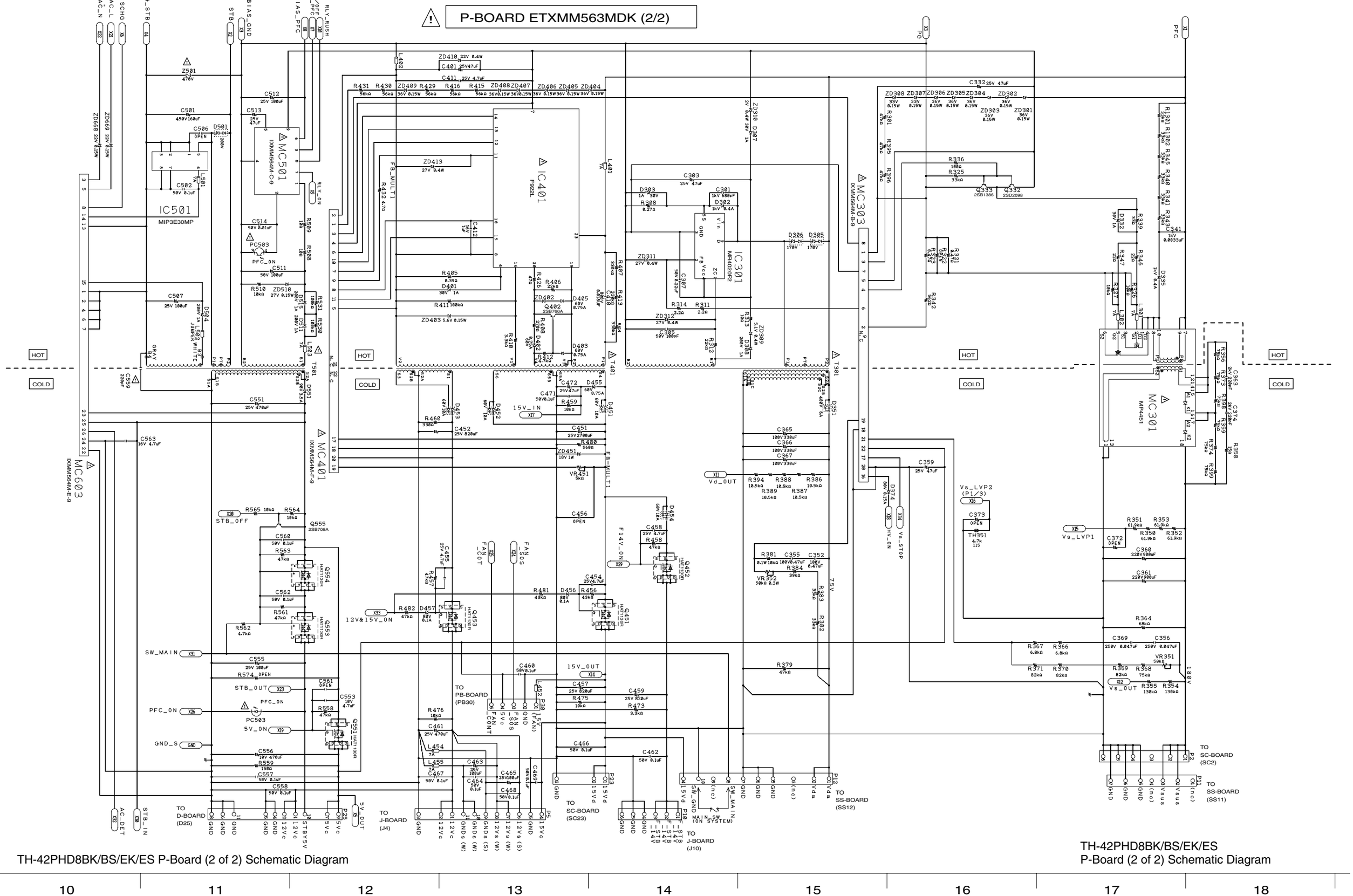
TH-42PHD8BK/BS/EK/ES
J-Board (4 of 4) Schematic Diagram



TH-42PHD8BK/BS/EK/ES
P-Board (1 of 2) Schematic Diagram

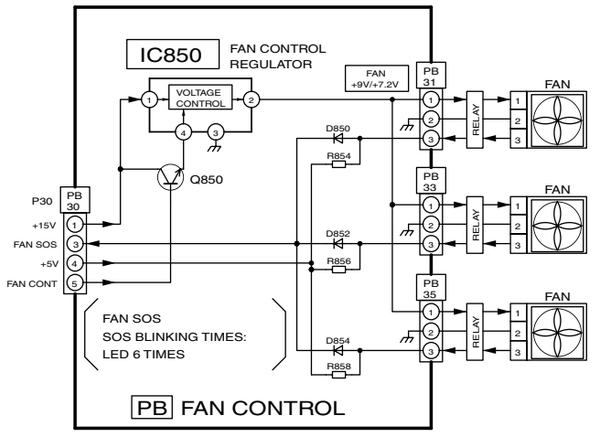
TH-42PHD8BK/BS/EK/ES
P-Board (1 of 2) Schematic Diagram

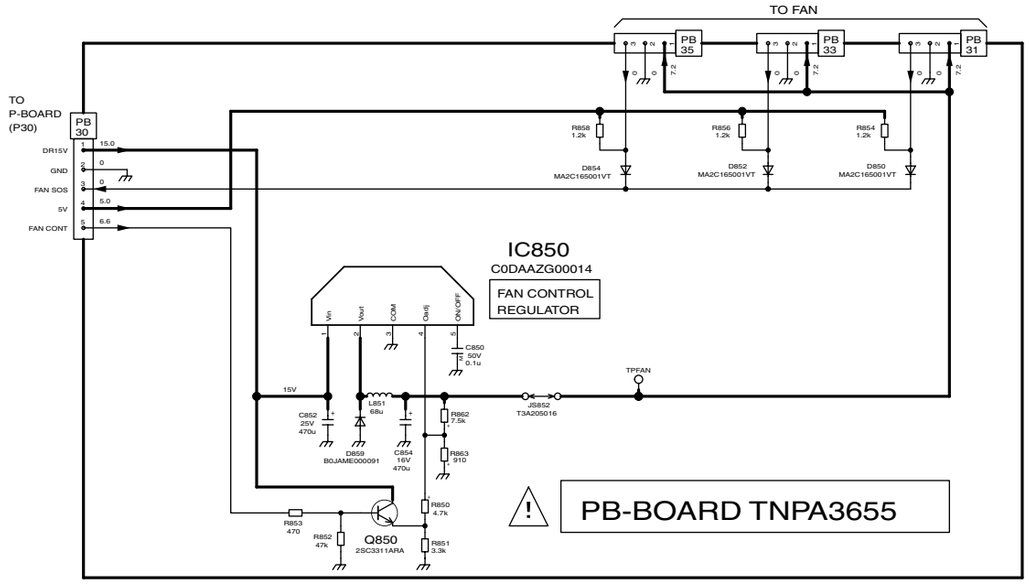
P-BOARD ETXMM563MDK (2/2)



TH-42PHD8BK/BS/EK/ES P-Board (2 of 2) Schematic Diagram

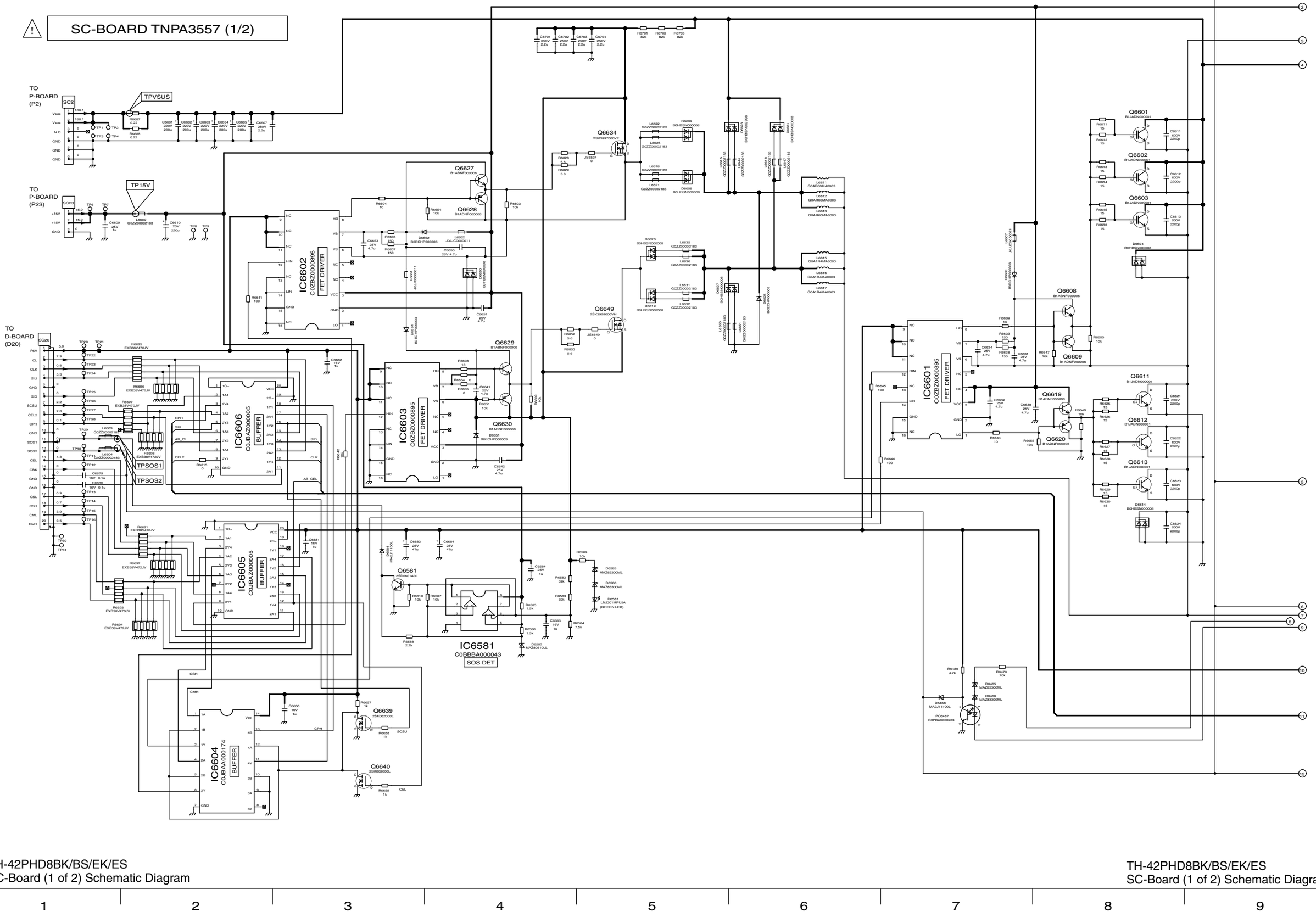
TH-42PHD8BK/BS/EK/ES
P-Board (2 of 2) Schematic Diagram





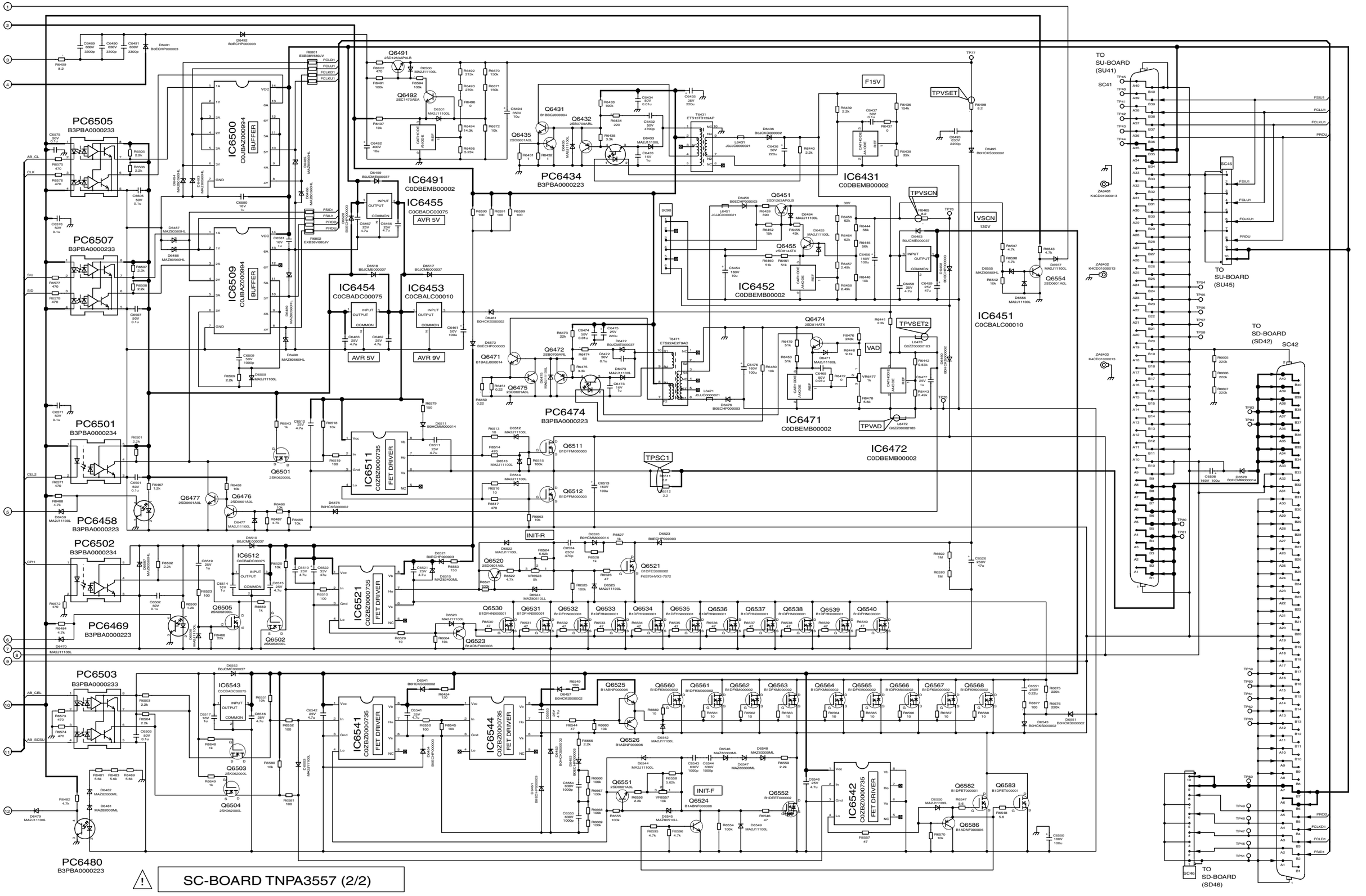
TH-42PHD8BK/BS/EK/ES
PB-Board Block and Schematic Diagram

SC-BOARD TNPA3557 (1/2)



TH-42PHD8BK/BS/EK/ES
SC-Board (1 of 2) Schematic Diagram

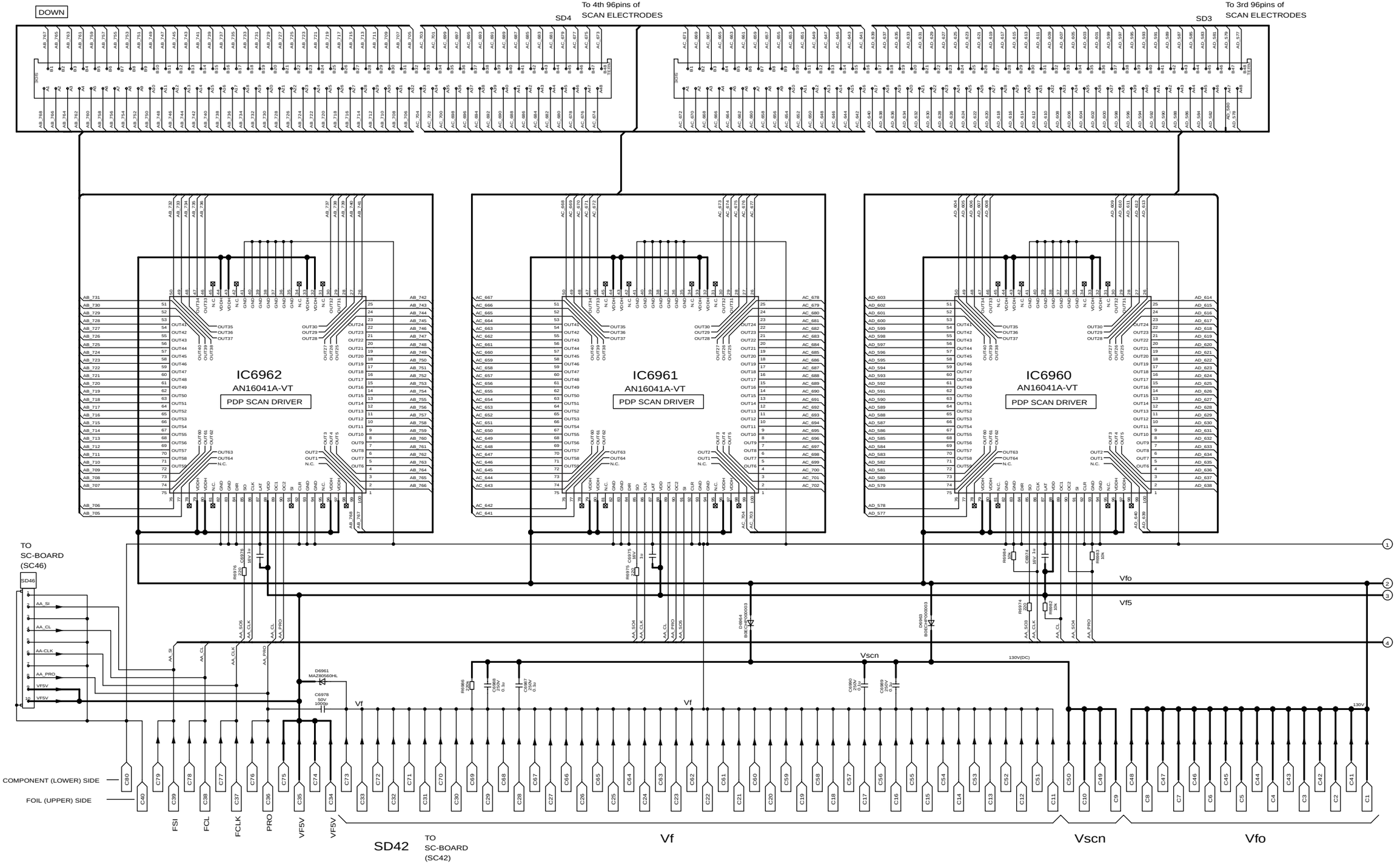
TH-42PHD8BK/BS/EK/ES
SC-Board (1 of 2) Schematic Diagram



TH-42PHD8BK/BS/EK/ES
SC-Board (2 of 2) Schematic Diagram

TH-42PHD8BK/BS/EK/ES
SC-Board (2 of 2) Schematic Diagram

SD-BOARD TNPA3190AC (1/2)



TH-42PHD8BK/BS/EK/ES
SD-Board (1 of 2) Schematic Diagram

TH-42PHD8BK/BS/EK/ES
SD-Board (1 of 2) Schematic Diagram

SD-BOARD TNPA3190AC (2/2)

DOWN

To 2nd 96pins of SCAN ELECTRODES

SD2

To 1st 96pins of SCAN ELECTRODES

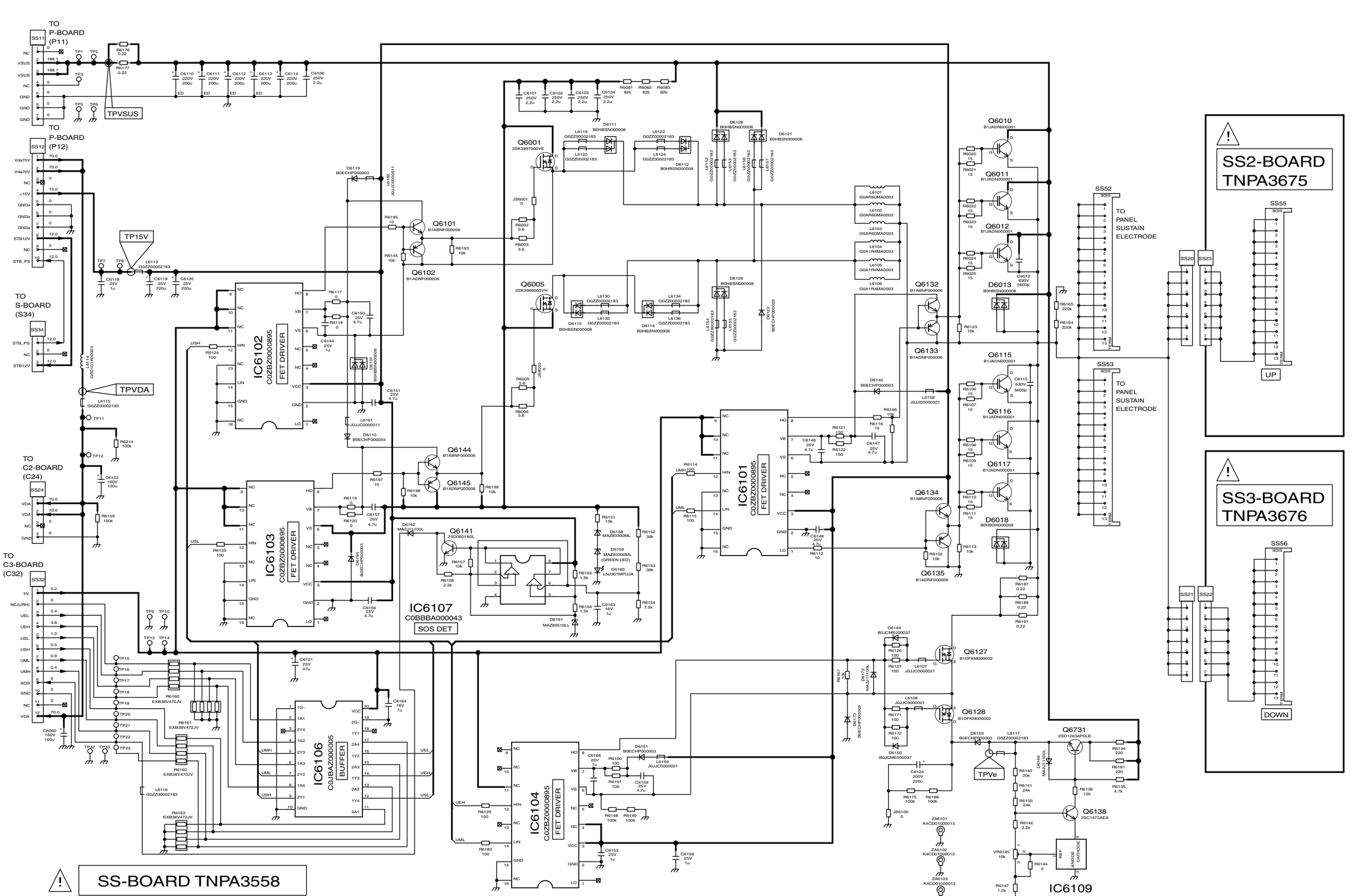
SD1

IC6959
AN16041A-VT
PDP SCAN DRIVER

IC6958
AN16041A-VT
PDP SCAN DRIVER

IC6957
AN16041A-VT
PDP SCAN DRIVER

TH-42PHD8BK/BS/EK/ES
SD-Board (2 of 2) Schematic Diagram



TH-42PHD8BK/BS/EK/ES
SS, SS2 and SS3-Board Schematic Diagram

TH-42PHD8BK/BS/EK/ES
SS, SS2 and SS3-Board Schematic Diagram

SU-BOARD TNPA3189AC (1/2)

UP

To 4th 96pins of SCAN ELECTRODES

SU4

To 3rd 96pins of SCAN ELECTRODES

SU3

IC6906
AN16041A-VT
PDP SCAN DRIVER

IC6905
AN16041A-VT
PDP SCAN DRIVER

IC6904
AN16041A-VT
PDP SCAN DRIVER

Vfo 130V

Vf

Vf5

SU45

TO SC-BOARD (SC45)

COMPONENT (LOWER) SIDE

FOIL (UPPER) SIDE

SU41 TO SC-BOARD (SC41)

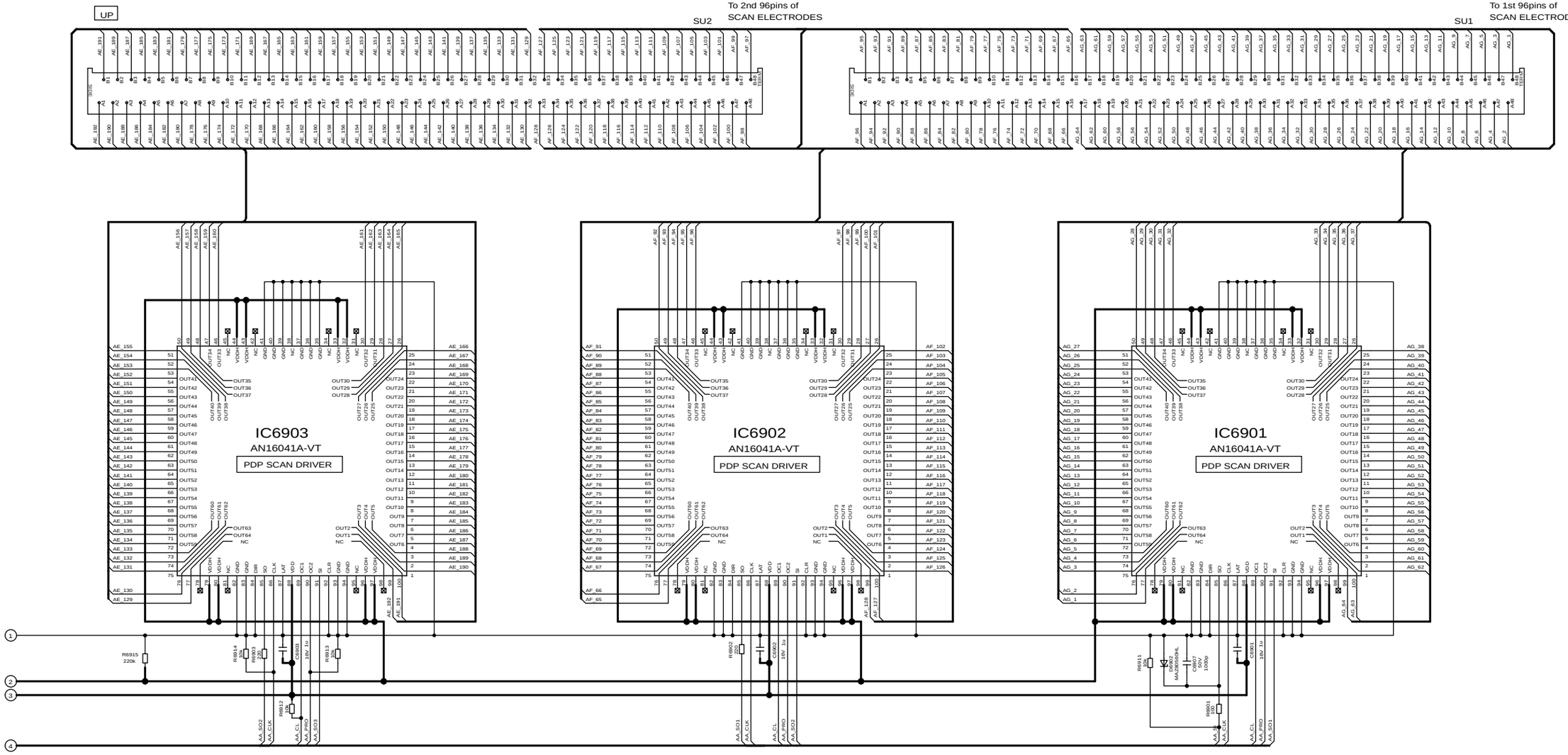
Vfo Vscn Vf

VF5V VF5V PRO FCLK FCL FSI

TH-42PHD8BK/BS/EK/ES
SU-Board (1 of 2) Schematic Diagram

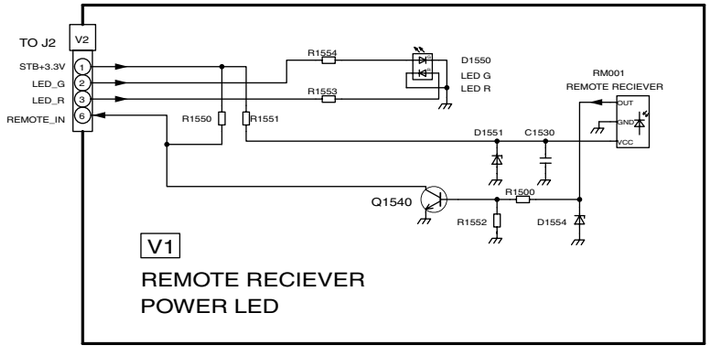
TH-42PHD8BK/BS/EK/ES
SU-Board (1 of 2) Schematic Diagram

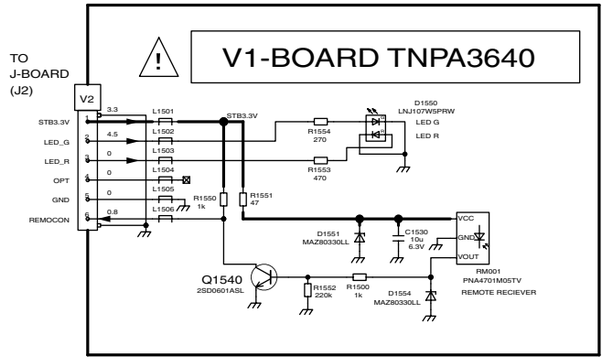
SU-BOARD TNPA3189AC (2/2)

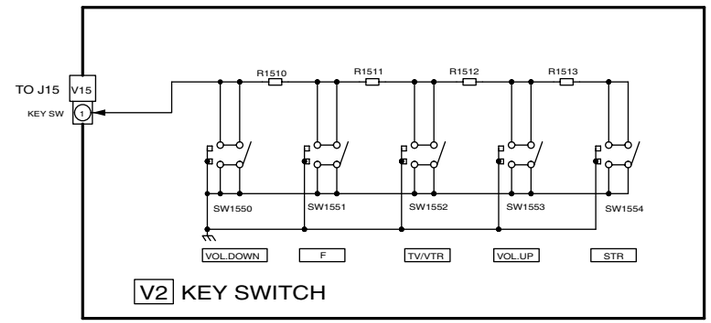


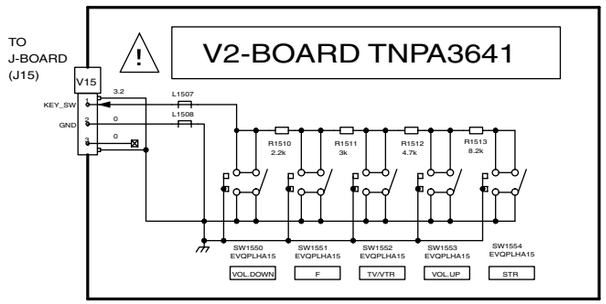
TH-42PHD8BK/BS/EK/ES
SU-Board (2 of 2) Schematic Diagram

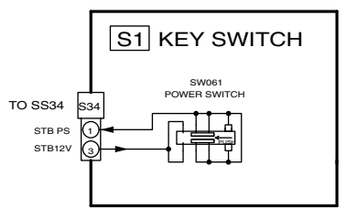
TH-42PHD8BK/BS/EK/ES
SU-Board (2 of 2) Schematic Diagram

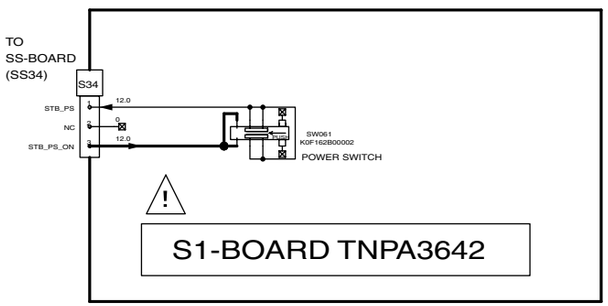












TH-42PHD8BK/BS/EK/ES
S1, V1 and V2-Board Block and Schematic Diagram

15 Block and Schematic Diagram

15.1. Schematic Diagram Notes

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

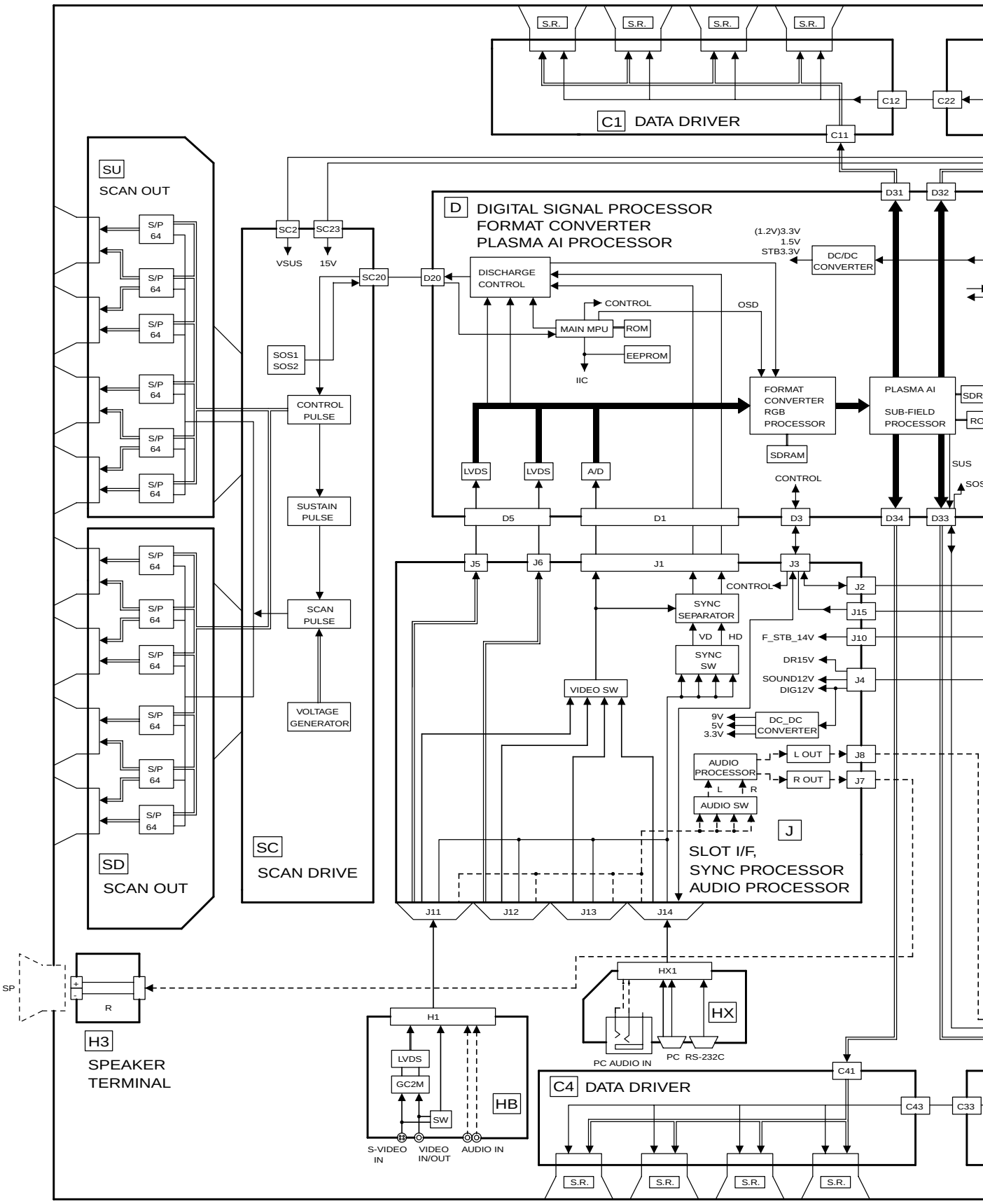
Notes:

1. **Resistor**
   Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
2. **Capacitor**
   Unit of capacitance is μF, unless otherwise noted.
3. Coil
   Unit of inductance is H, unless otherwise noted.
4. Test Point
   ⚲ : Test Point position
5. Earth Symbol
   ⏚ : Chassis Earth (Cold) ⏚ : Line Earth (Hot)
6. Voltage Measurement
   Voltage is measured by a DC voltmeter.
   Conditions of the measurement are the following:
   Power Source ..... AC220 - 240V, 50/60Hz
   Receiving Signal ..... Colour Bar signal (RF)
   All customer's controls ..... Maximum positions
7. When arrow mark (↗) is found, connection is easily found from the direction of arrow.
8. Indicates the major signal flow. : Video ➡ Audio ⇨
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

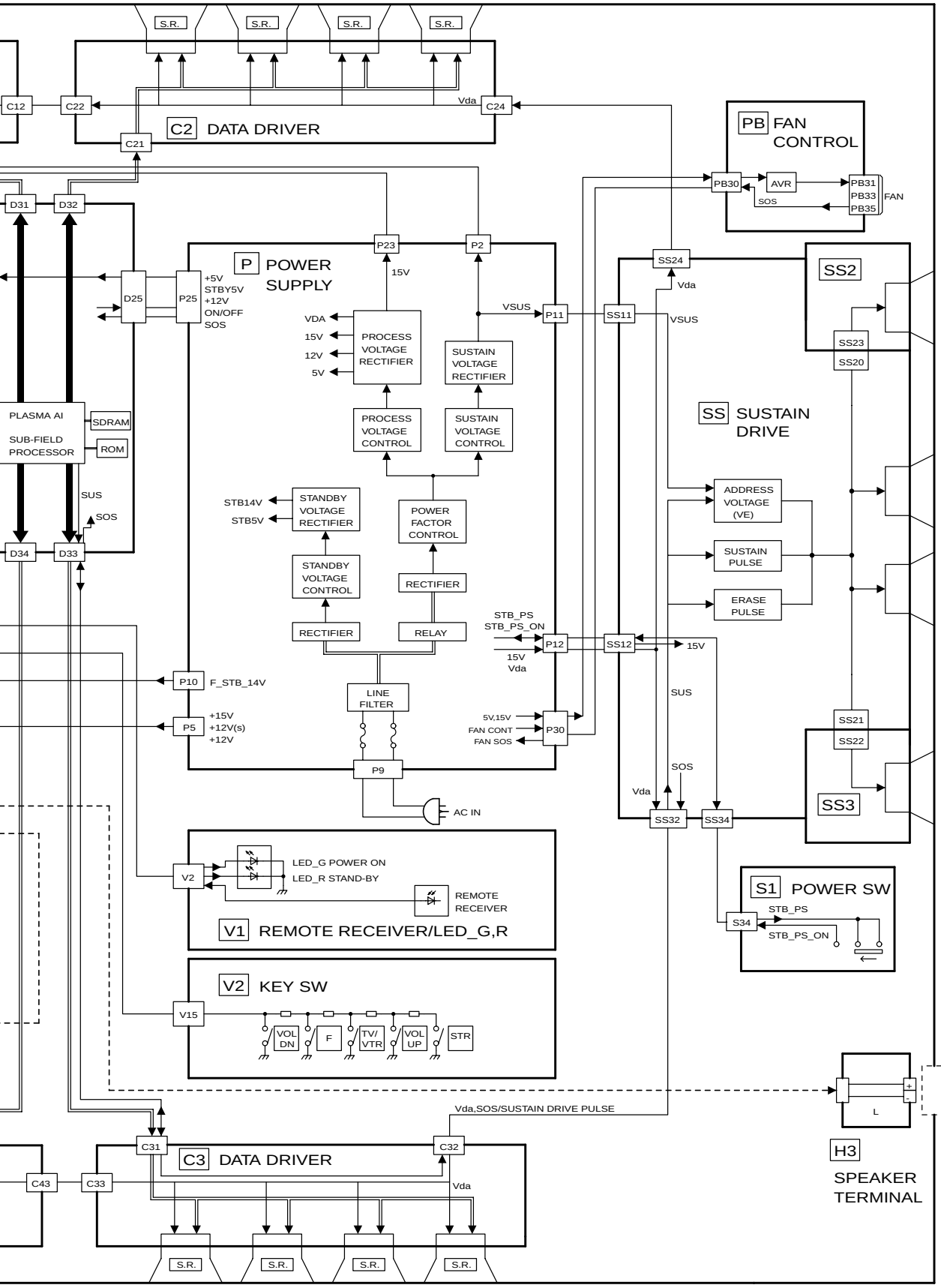
Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the follwing precautions.
   All circuits, except the Power Circuit, are cold.
   Precautions
   a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
   b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
   c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
      Connect the earth of instruments to the earth connection of the circuit being measured.
   d. Make sure to disconnect the power plug before removing the chassis.

15.2. Main Block Diagram

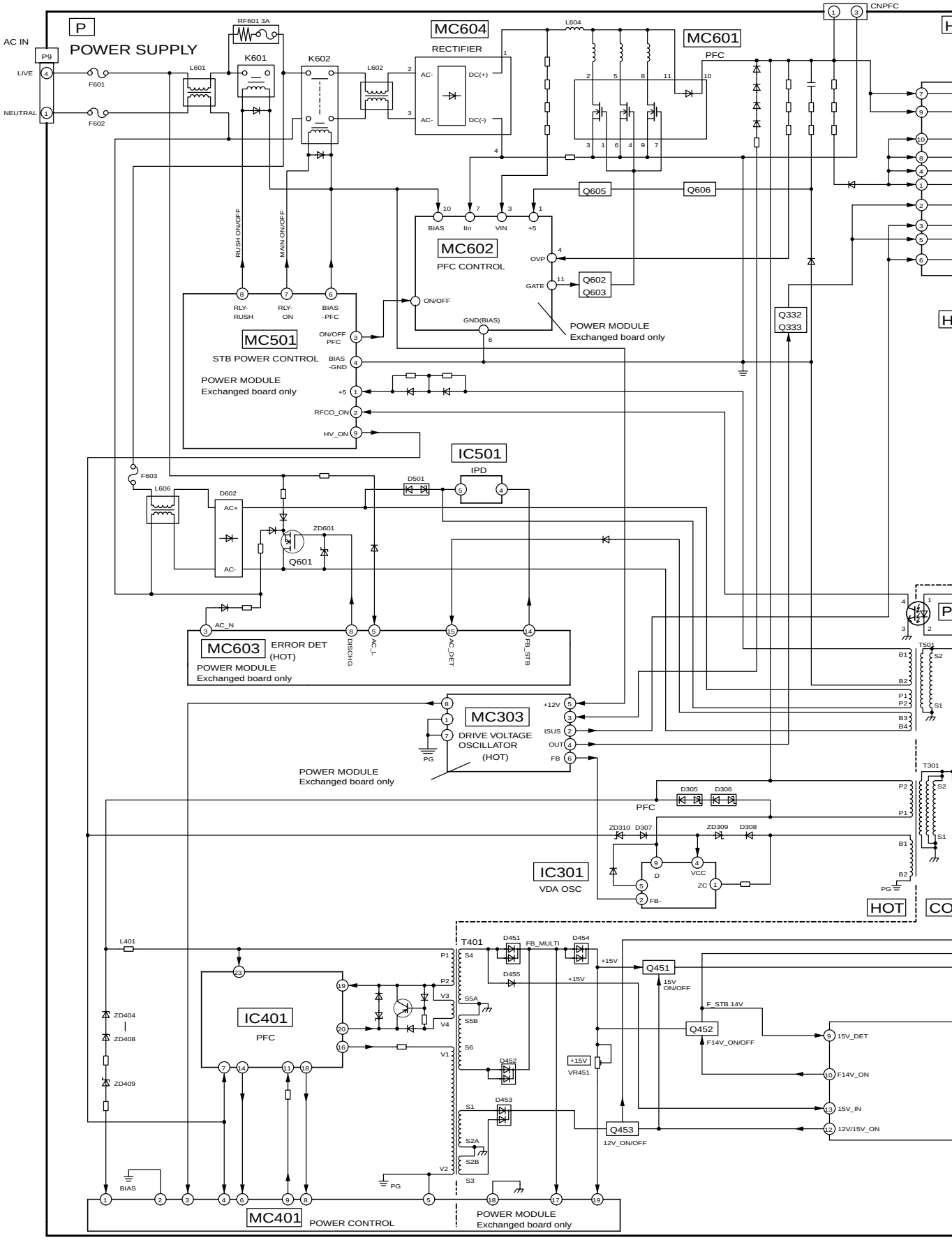


TH-42PHD8BK/BS/EK/ES
Main Block Diagram

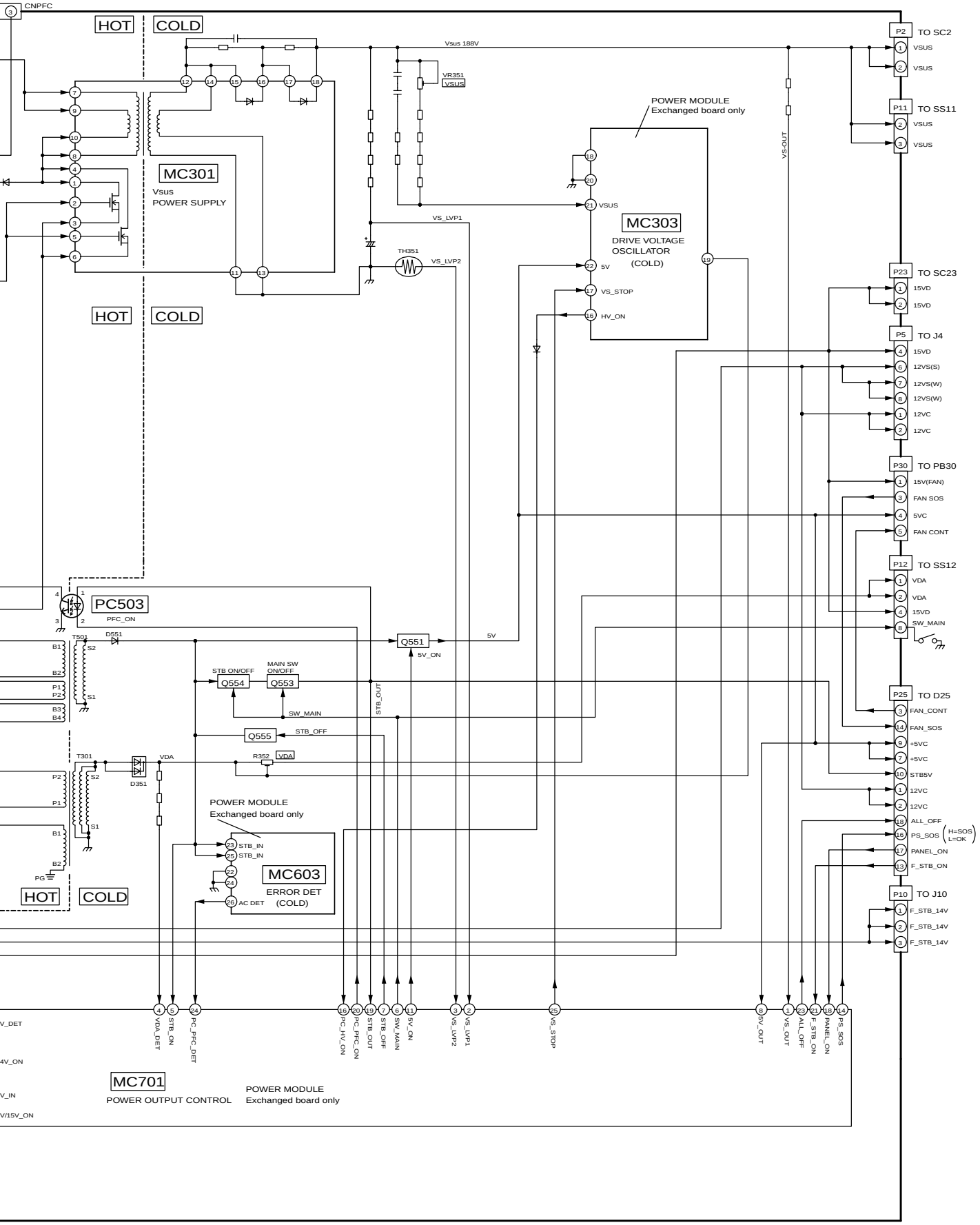


TH-42PHD8BK/BS/EK/ES
Main Block Diagram

15.3. P-Board Block Diagram

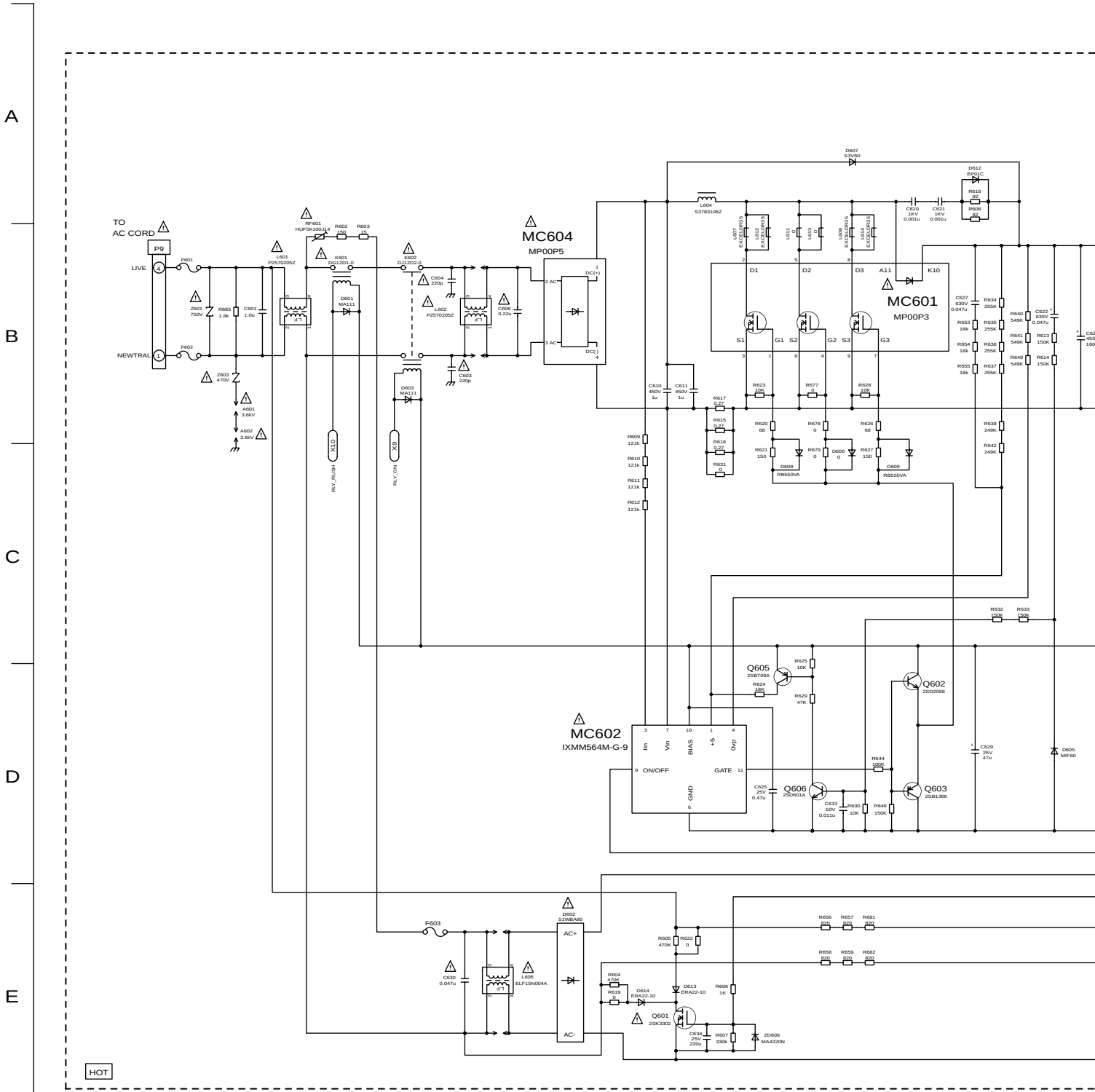


TH-42PHD8BK/BS/EK/ES
P-Board Block Diagram

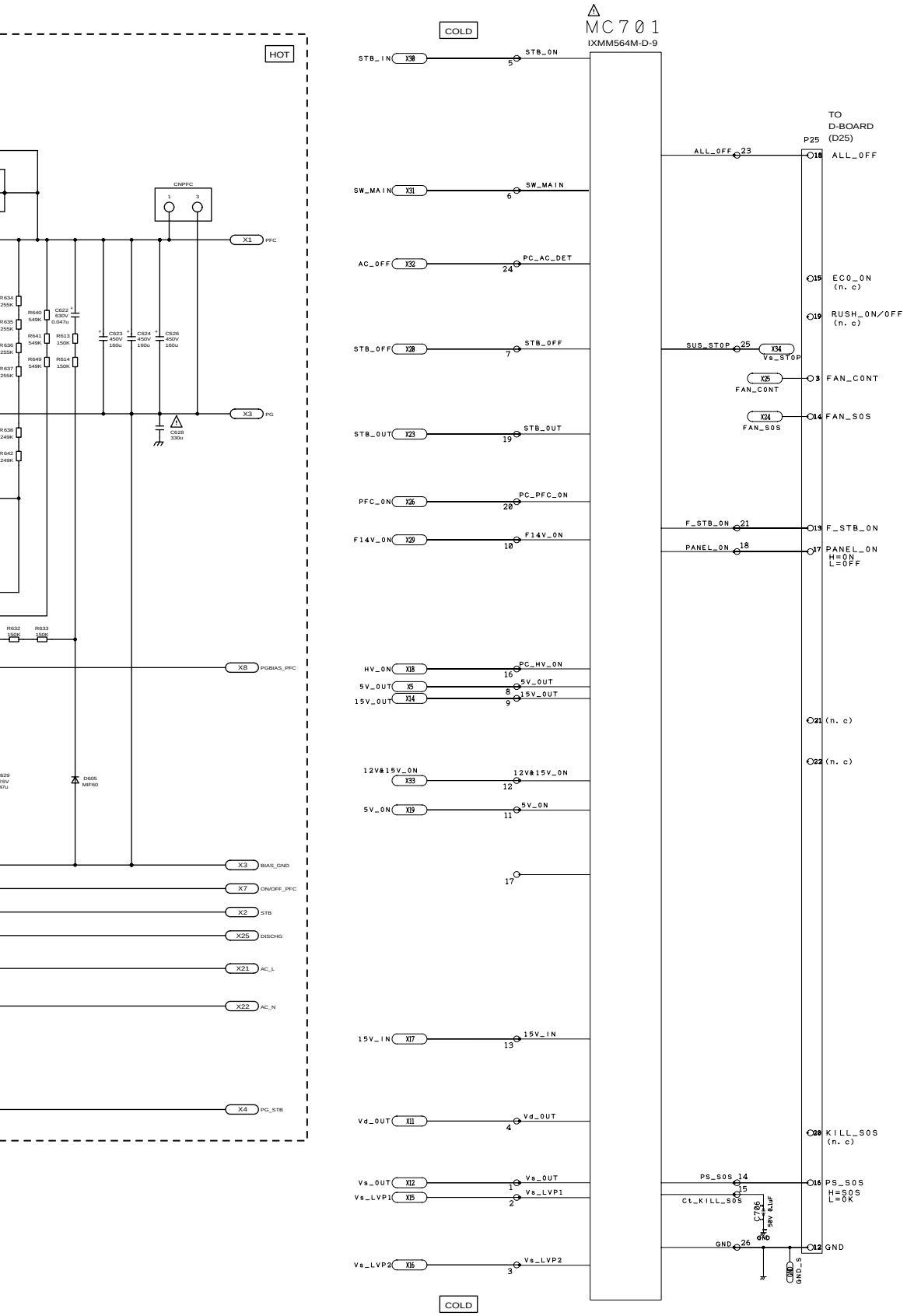


TH-42PHD8BK/BS/EK/ES
P-Board Block Diagram

15.4. P-Board (1 of 2) Schematic Diagram

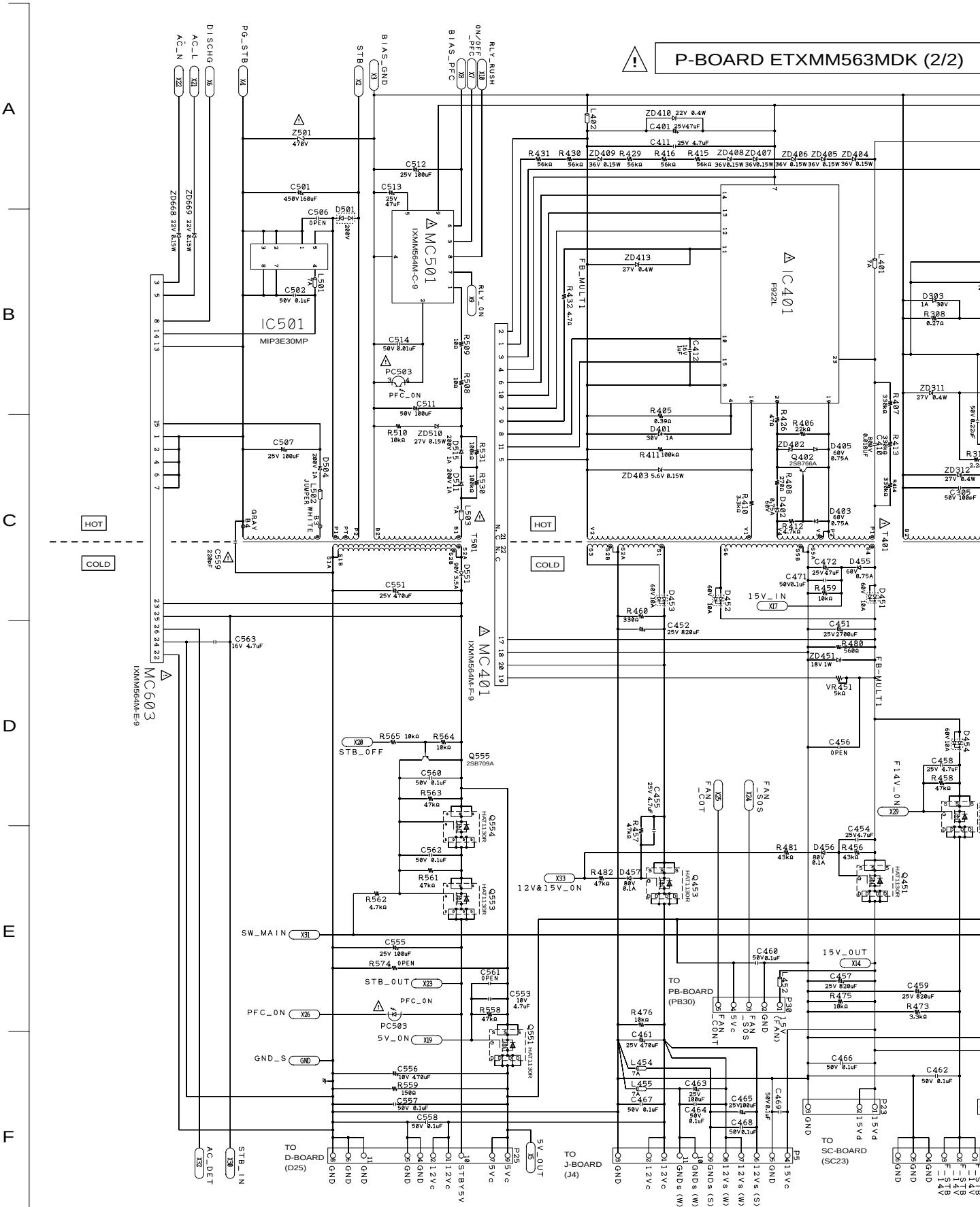


TH-42PHD8BK/BS/EK/ES
P-Board (1 of 2) Schematic Diagram



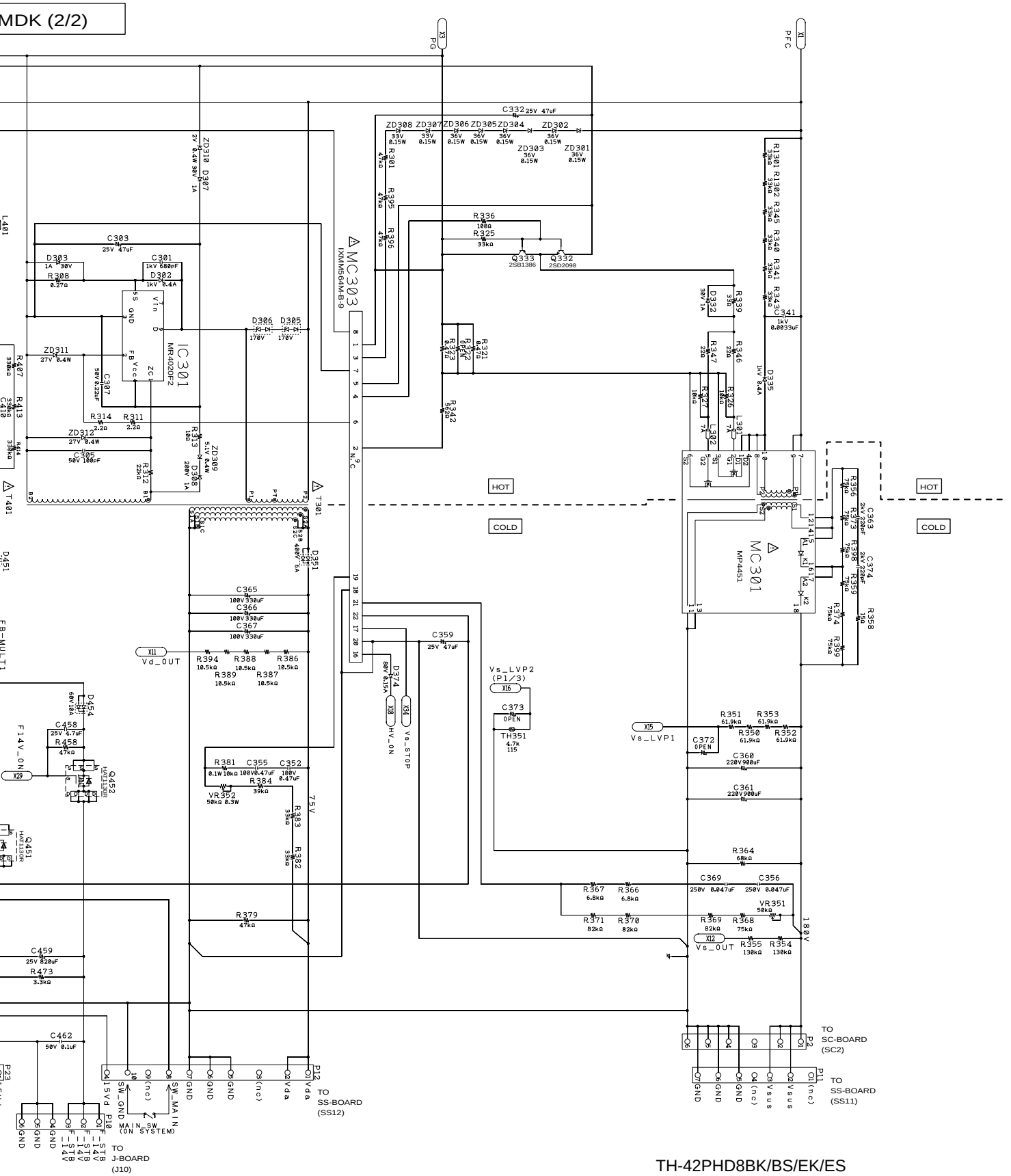
TH-42PHD8BK/BS/EK/ES
P-Board (1 of 2) Schematic Diagram

15.5. P-Board (2 of 2) Schematic Diagram



TH-42PHD8BK/BS/EK/ES P-Board (2 of 2) Schematic Diagram

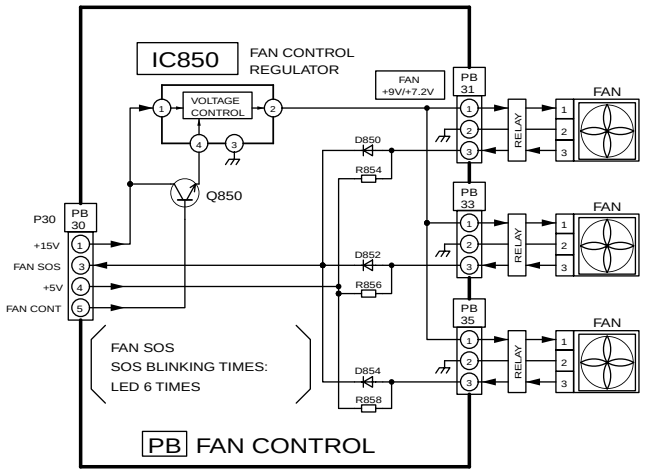
MDK (2/2)

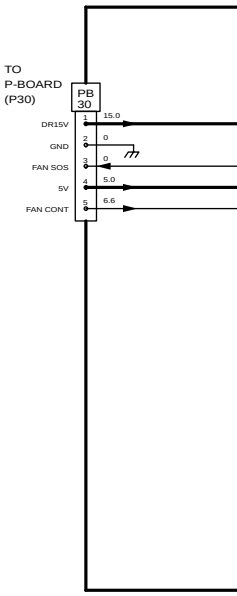


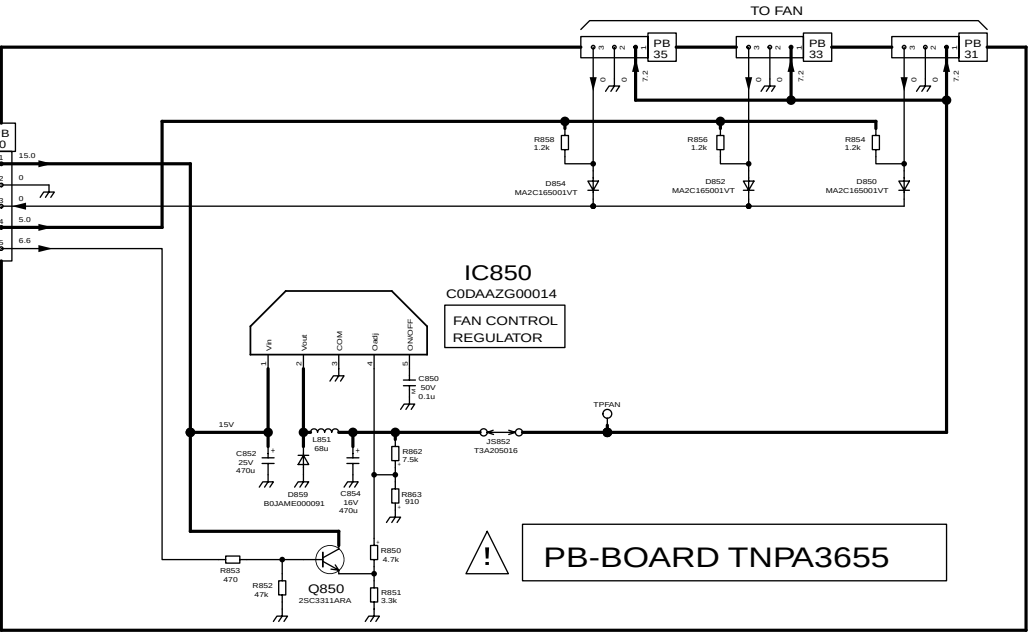
TH-42PHD8BK/BS/EK/ES
P-Board (2 of 2) Schematic Diagram

14	15	16	17	18

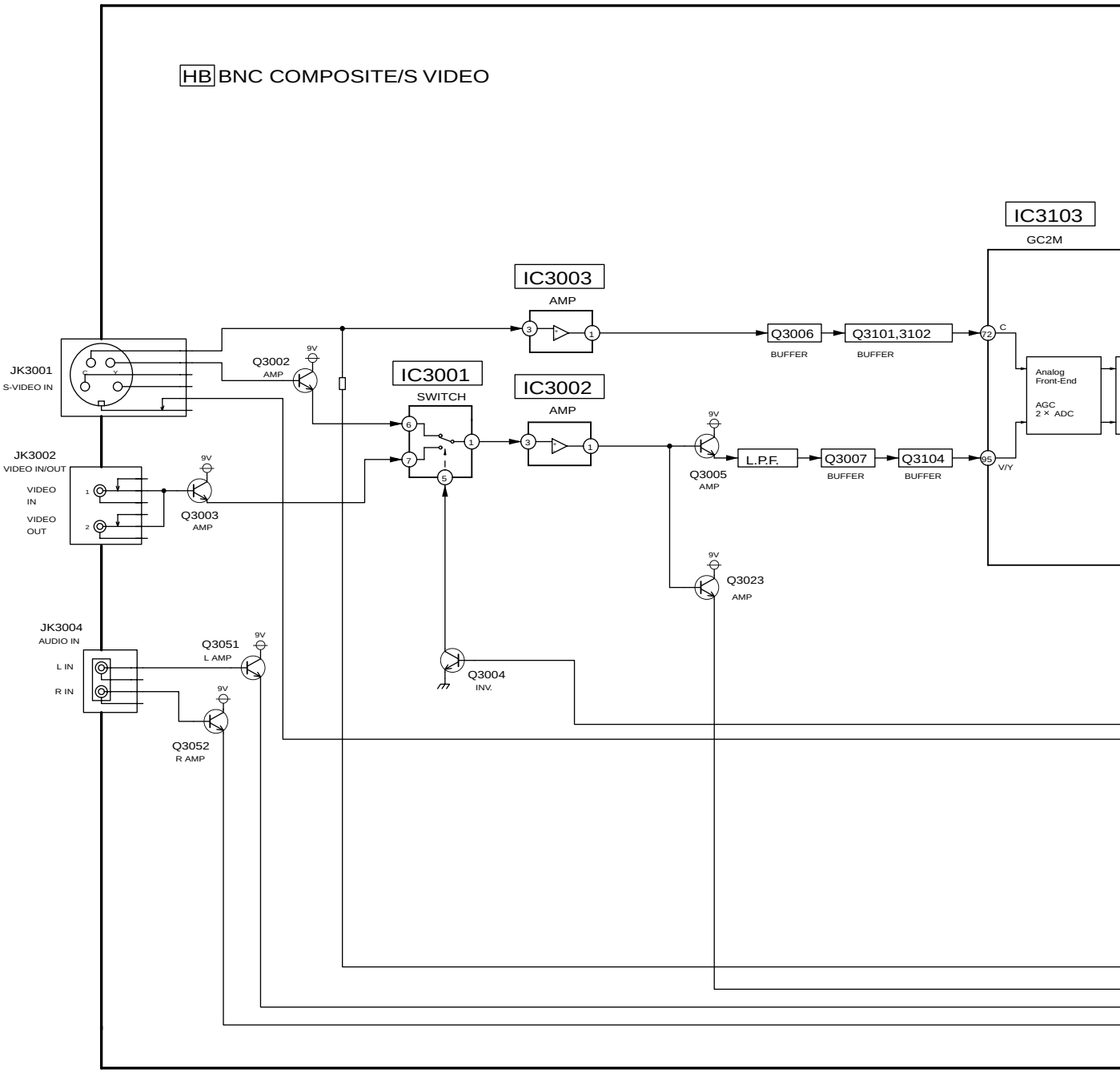
15.6. PB-Board Block and Schematic Diagram

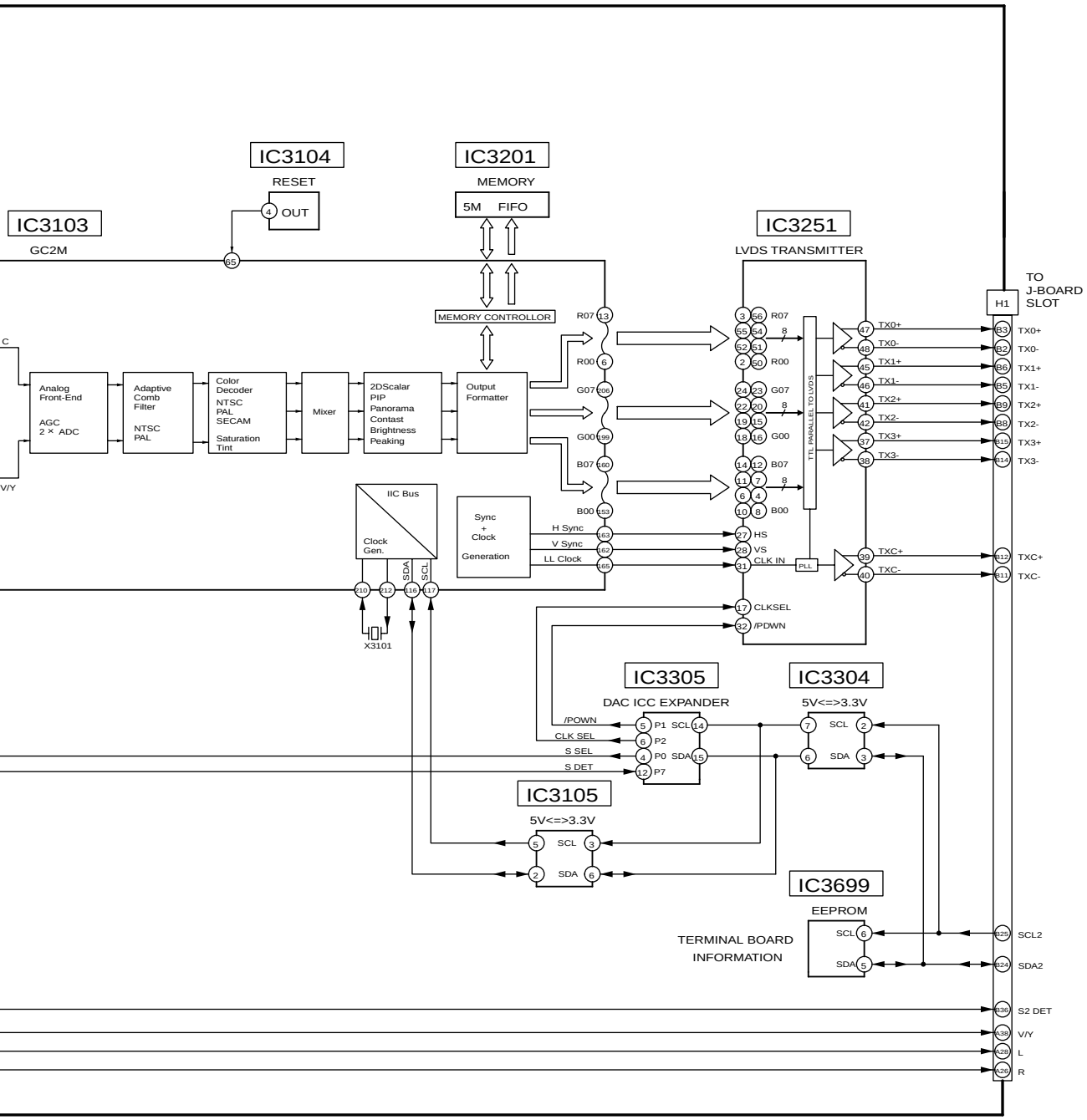





TO FAN
PB 35
PB 33
PB 31
R858 1.2k
R856 1.2k
R854 1.2k
D854 MA2C165001VT
D852 MA2C165001VT
D850 MA2C165001VT
15.0
0
0
5.0
6.6
IC850
C0DAAZG00014
FAN CONTROL REGULATOR
Vin
Vout
COM
Adj
ON/OFF
C850 50V 0.1u
15V
TPFAN
C852 25V 470u
L851 68u
D859 B0JAME000091
C854 16V 470u
R862 7.5k
R863 910
JS852 T3A205016
R850 4.7k
R853 470
R852 47k
Q850 2SC3311ARA
R851 3.3k
PB-BOARD TNPA3655

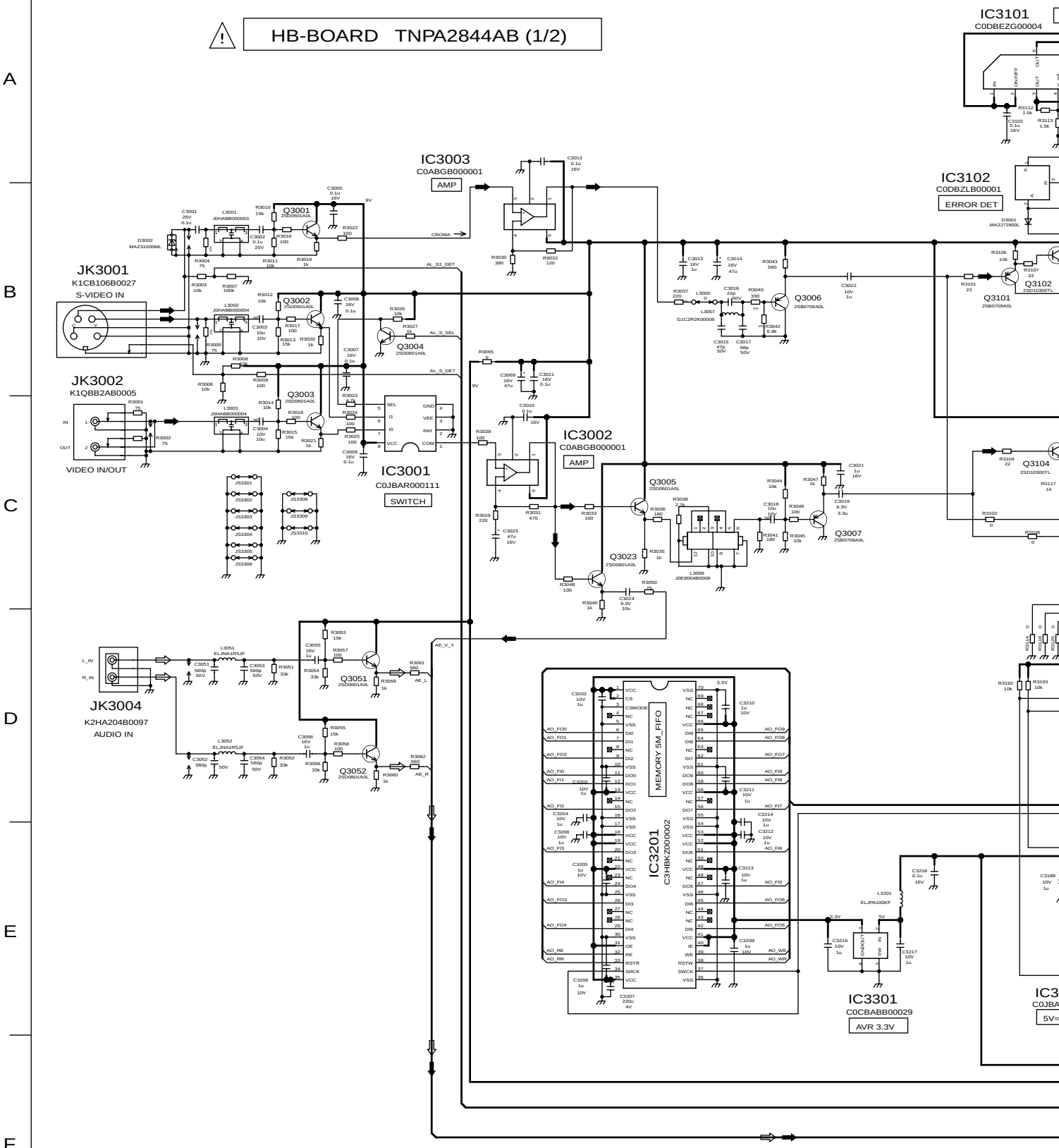
15.7. HB-Board Block Diagram



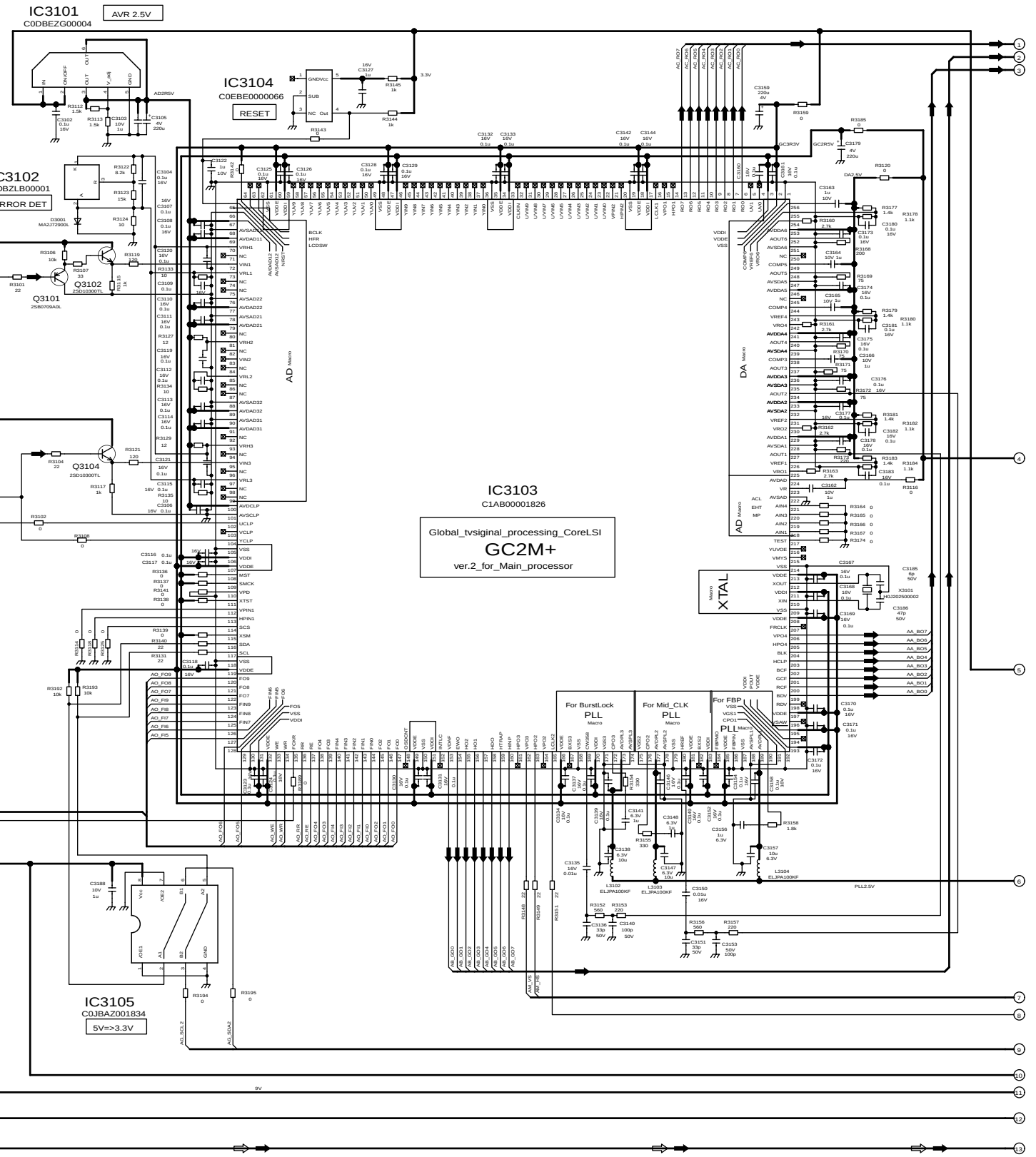


TH-42PHD8BK/BS/EK/ES
HB-Board Block Diagram

15.8. HB-Board (1 of 2) Schematic Diagram



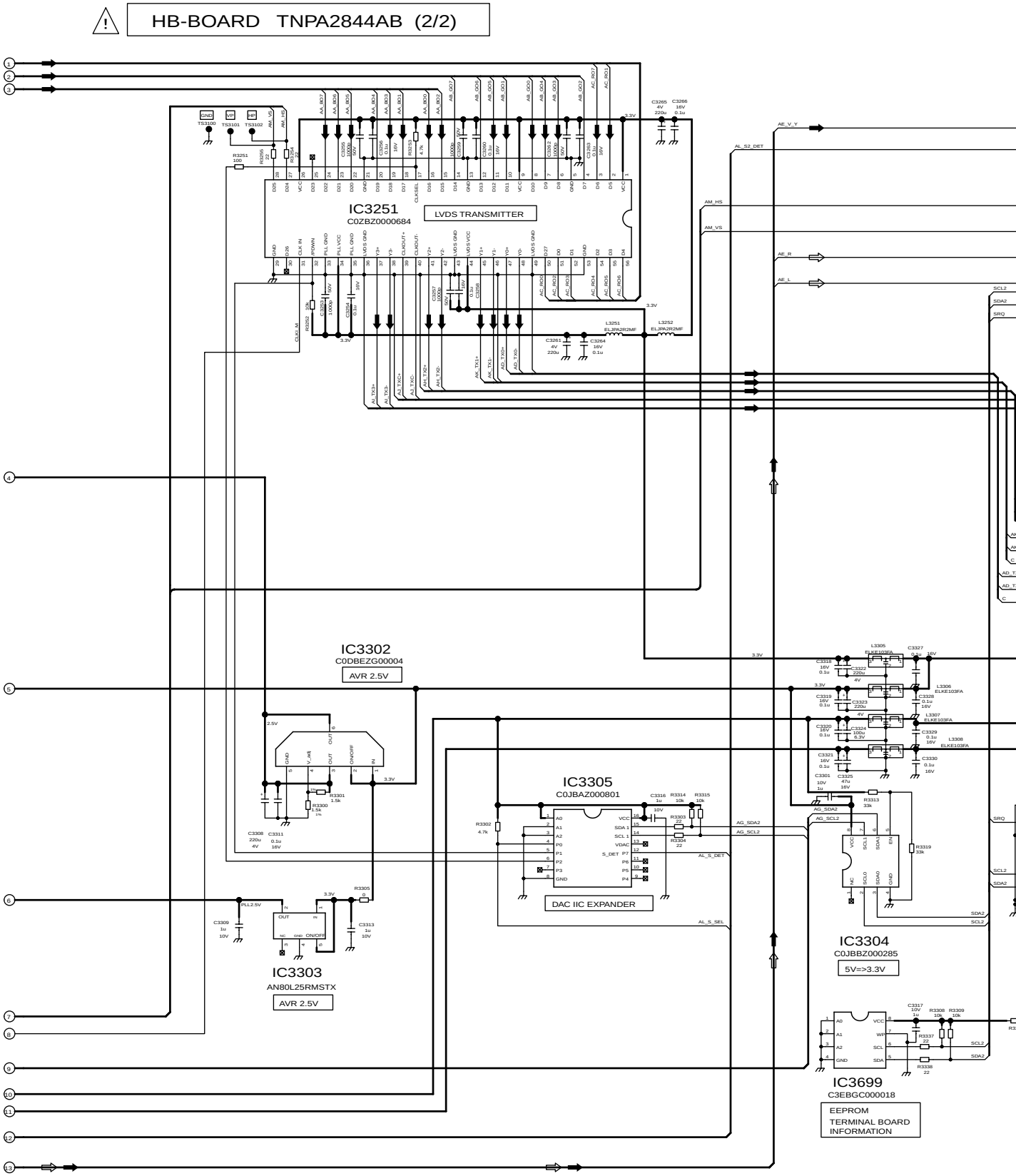
TH-42PHD8BK/BS/EK/ES
HB-Board (1 of 2) Schematic Diagram



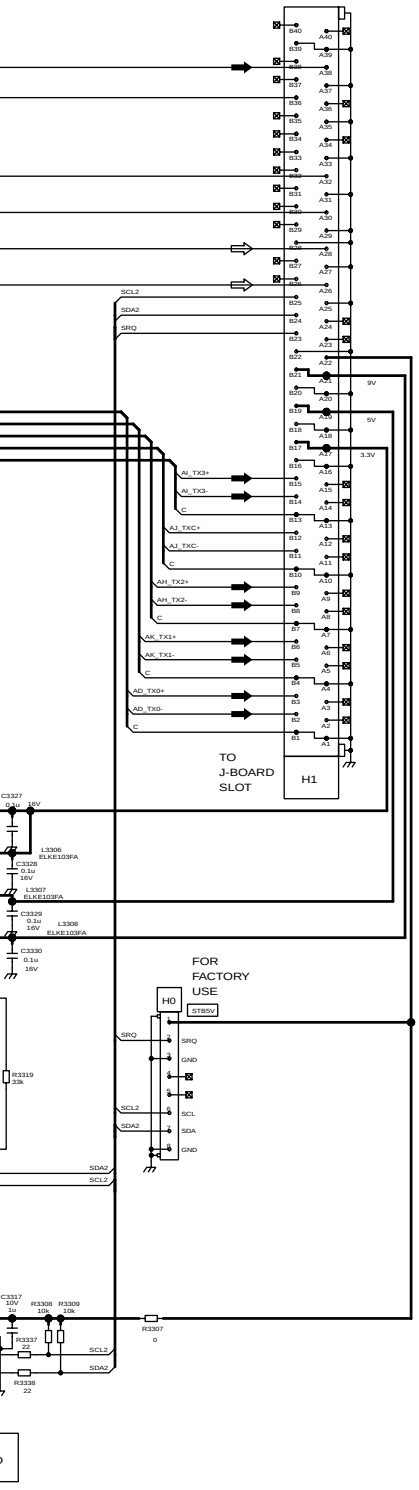
TH-42PHD8BK/BS/EK/ES
HB-Board (1 of 2) Schematic Diagram

5 6 7 8 9

15.9. HB-Board (2 of 2) Schematic Diagram

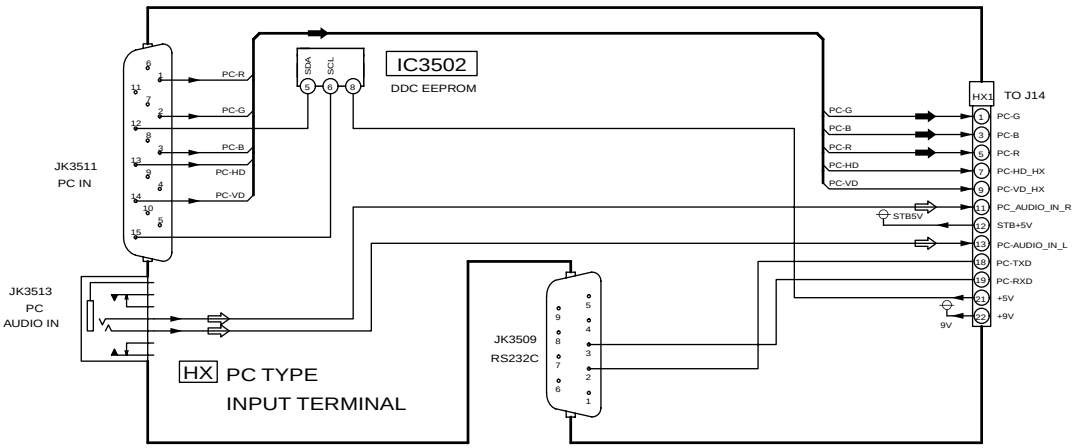


TH-42PHD8BK/BS/EK/ES
HB-Board (2 of 2) Schematic Diagram

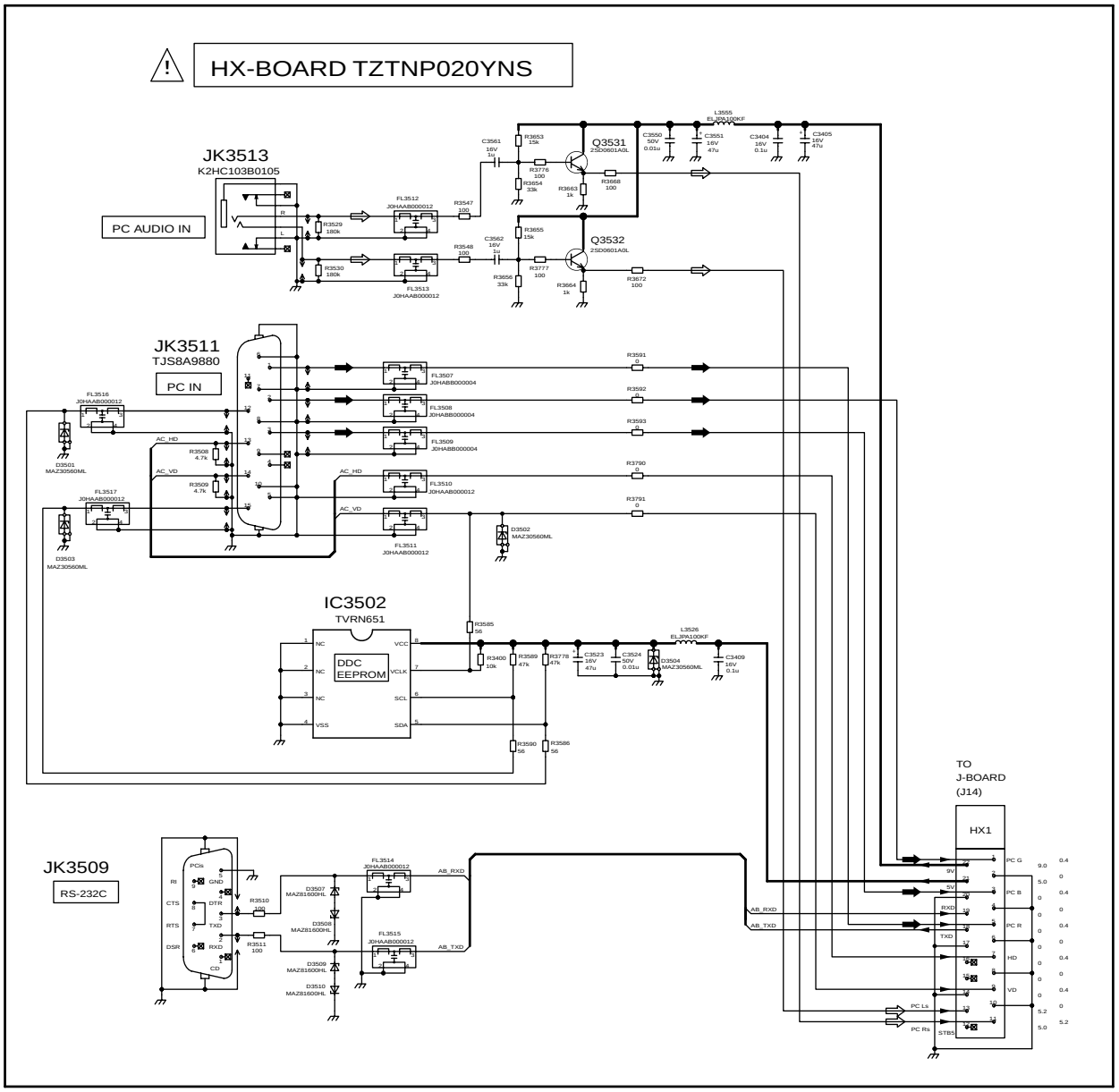


TH-42PHD8BK/BS/EK/ES
HB-Board (2 of 2) Schematic Diagram

15.10. HX-Board Block and Schematic Diagram

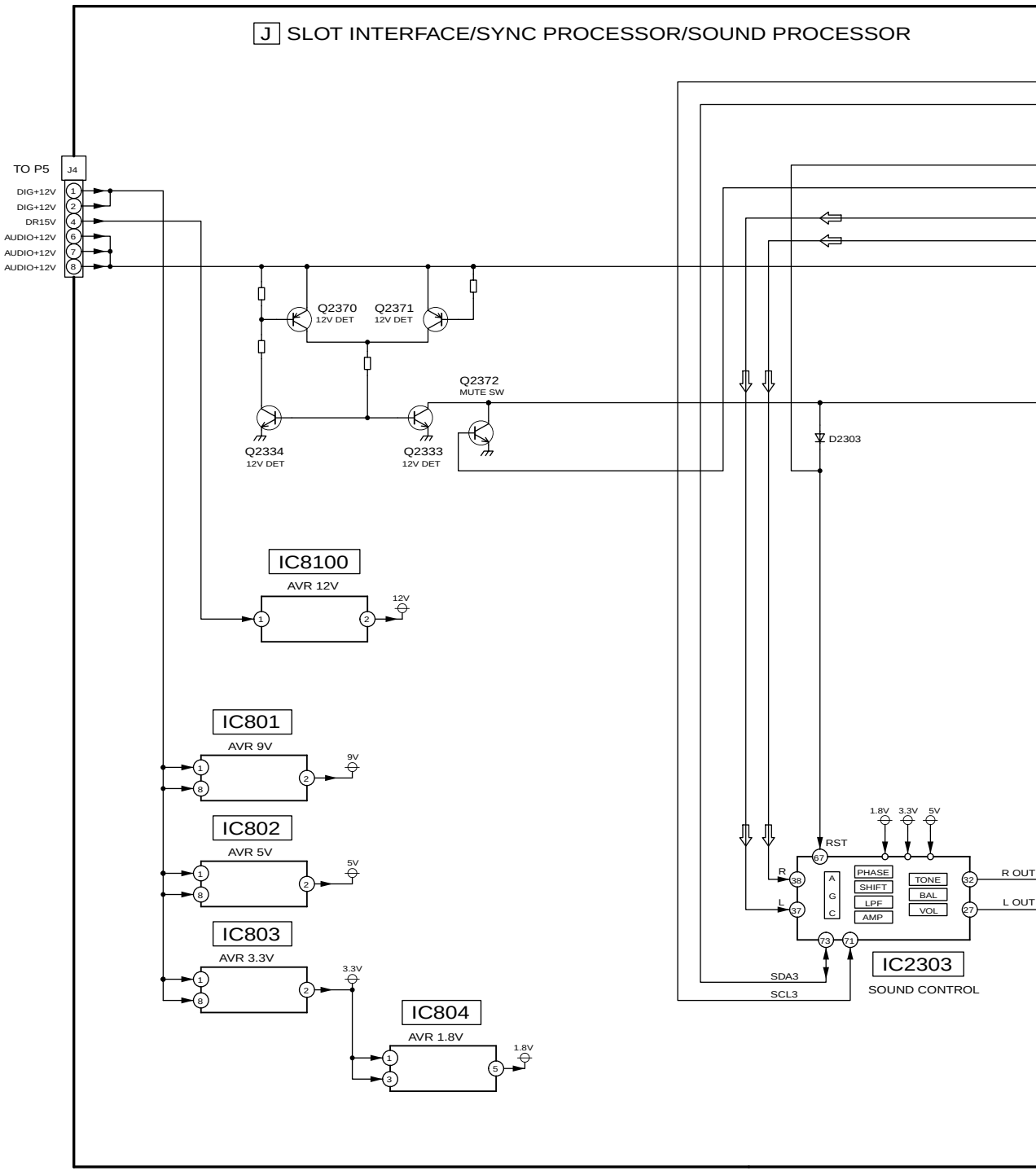


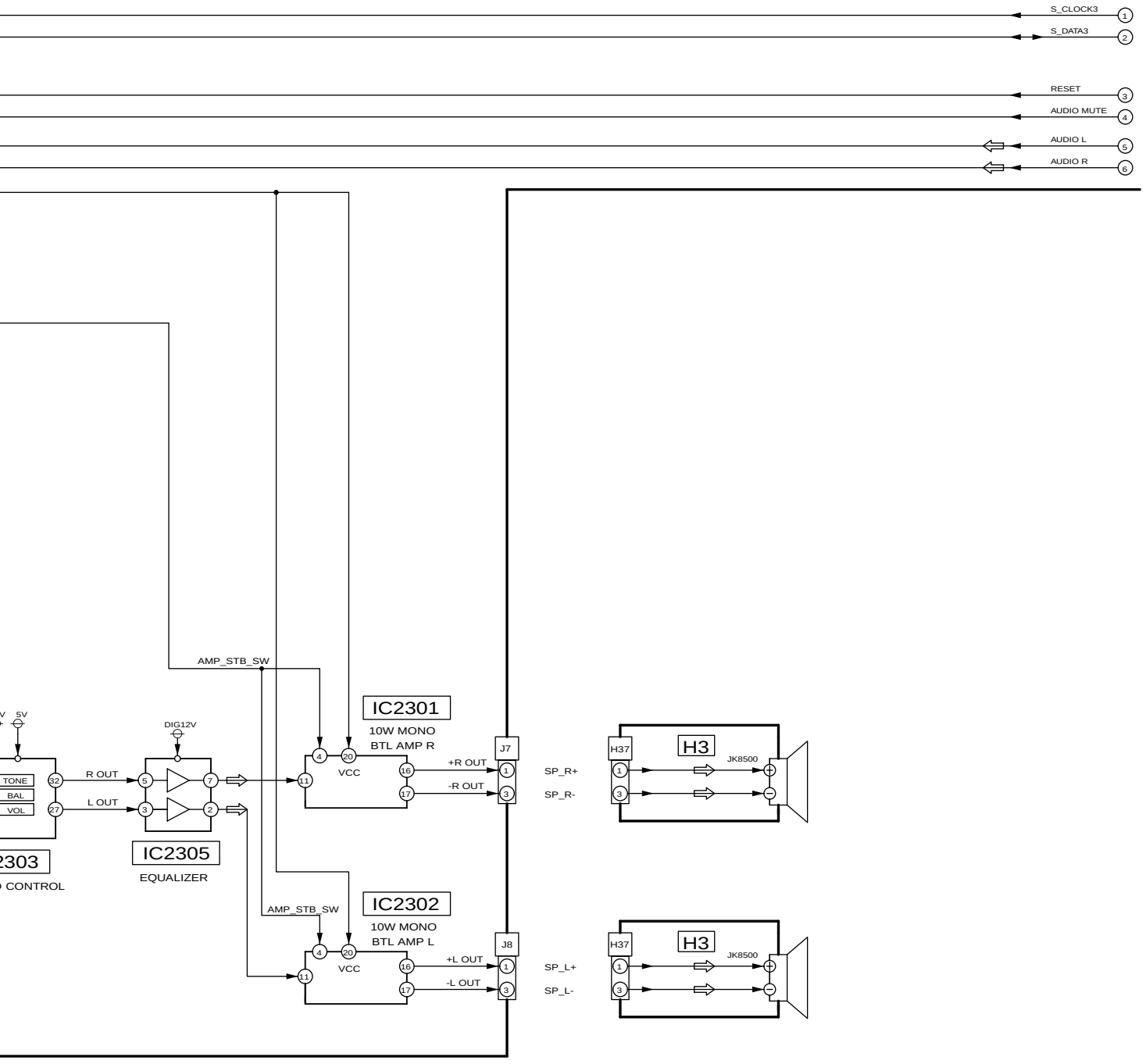
TH-42PHD8BK/BS/EK/ES
HX-Board Block and Schematic Diagram



TH-42PHD8BK/BS/EK/ES
HX-Board Block and Schematic Diagram

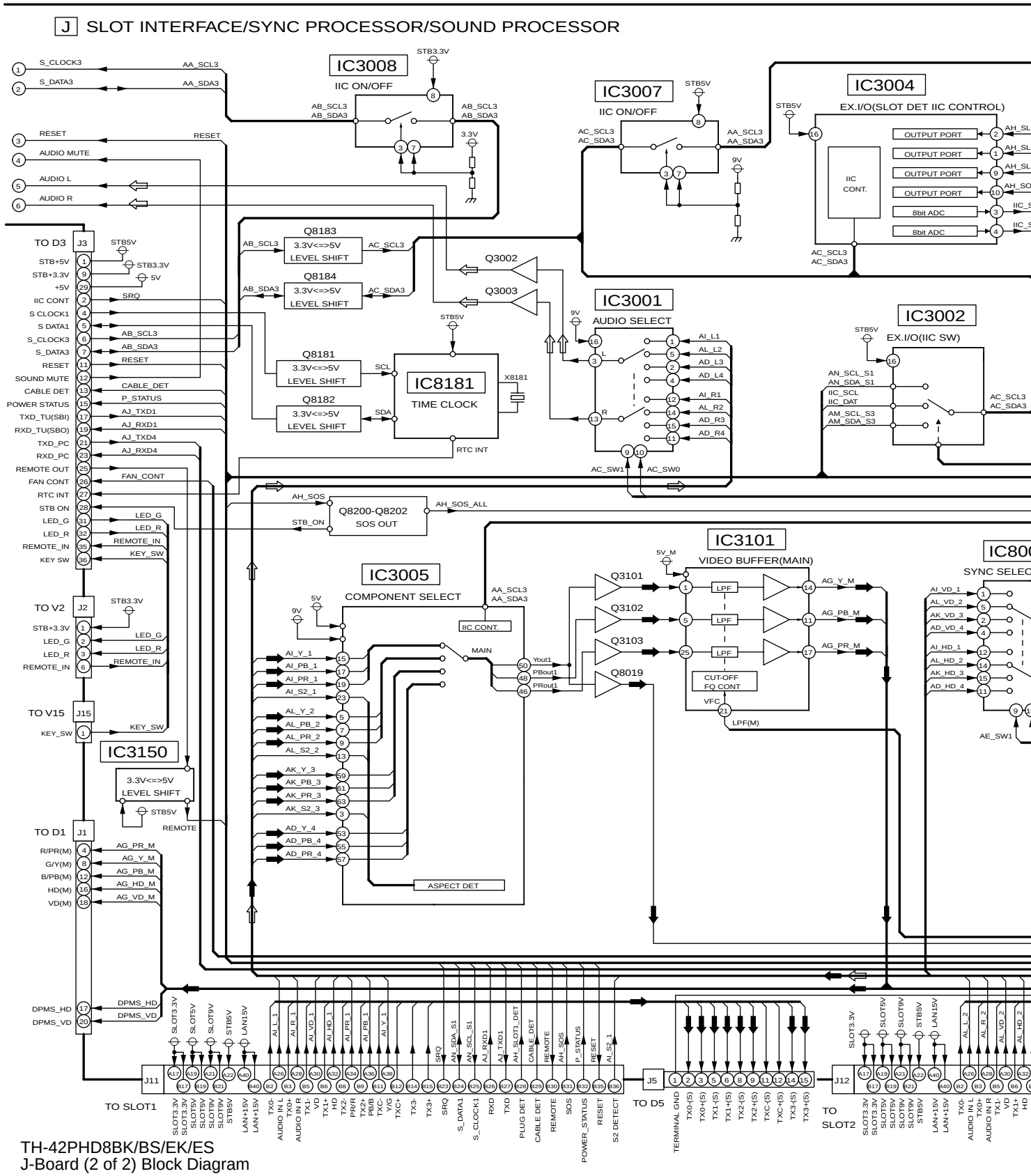
15.11. J-Board (1 of 2) and H3-Board Block Diagram



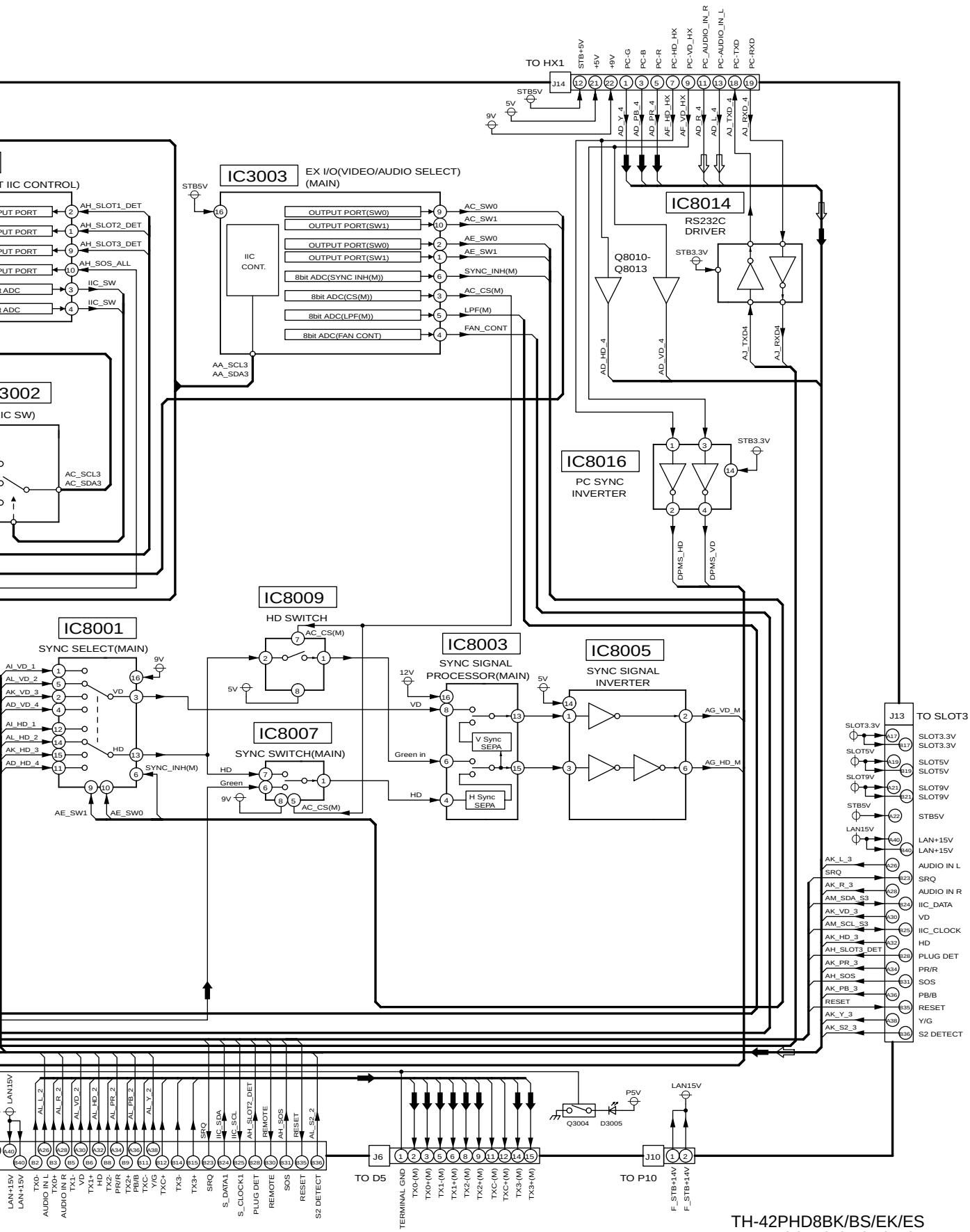


TH-42PHD8BK/BS/EK/ES
J-Board (1 of 2) and H3-Board Block Diagram

15.12. J-Board (2 of 2) Block Diagram

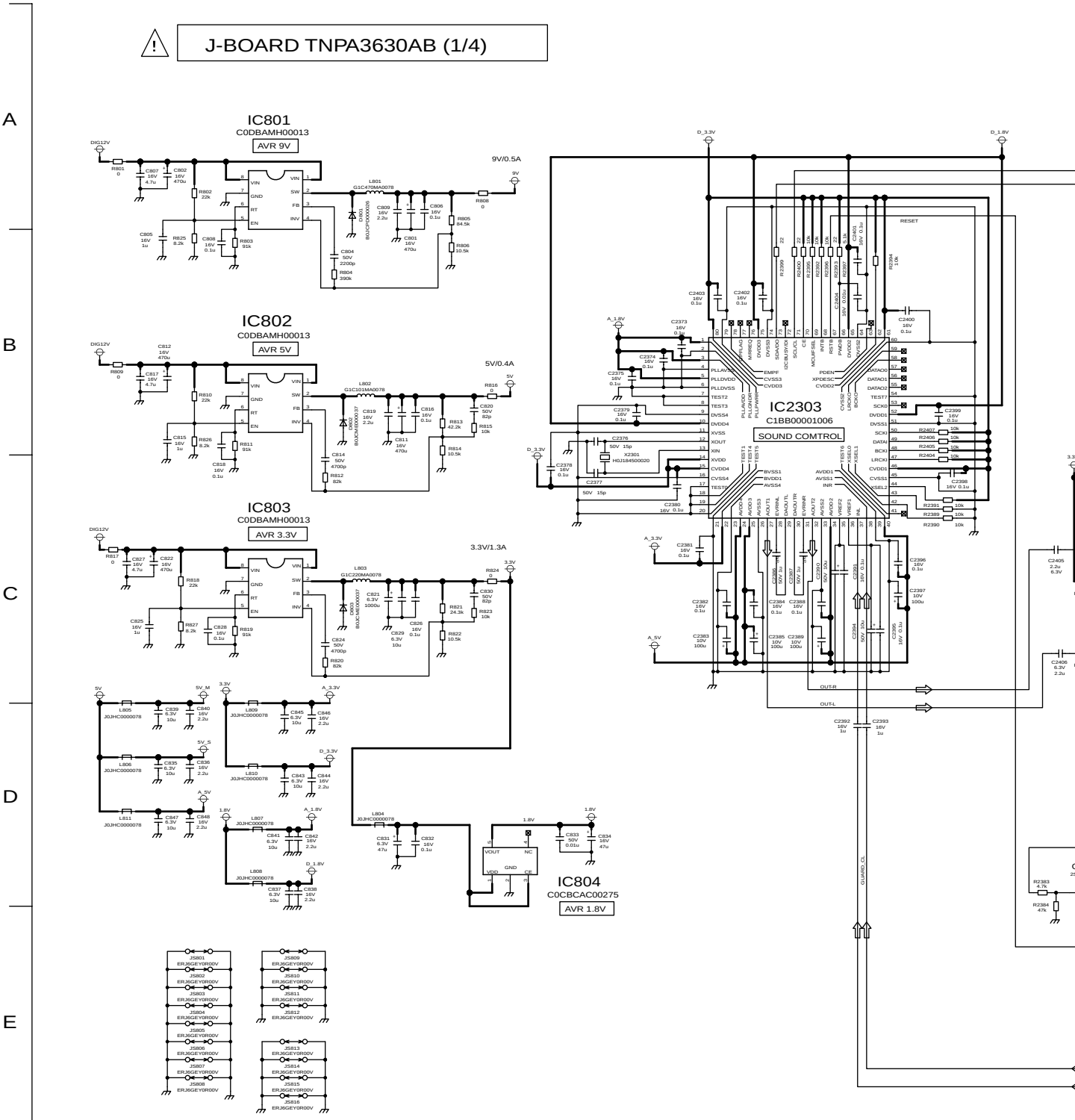


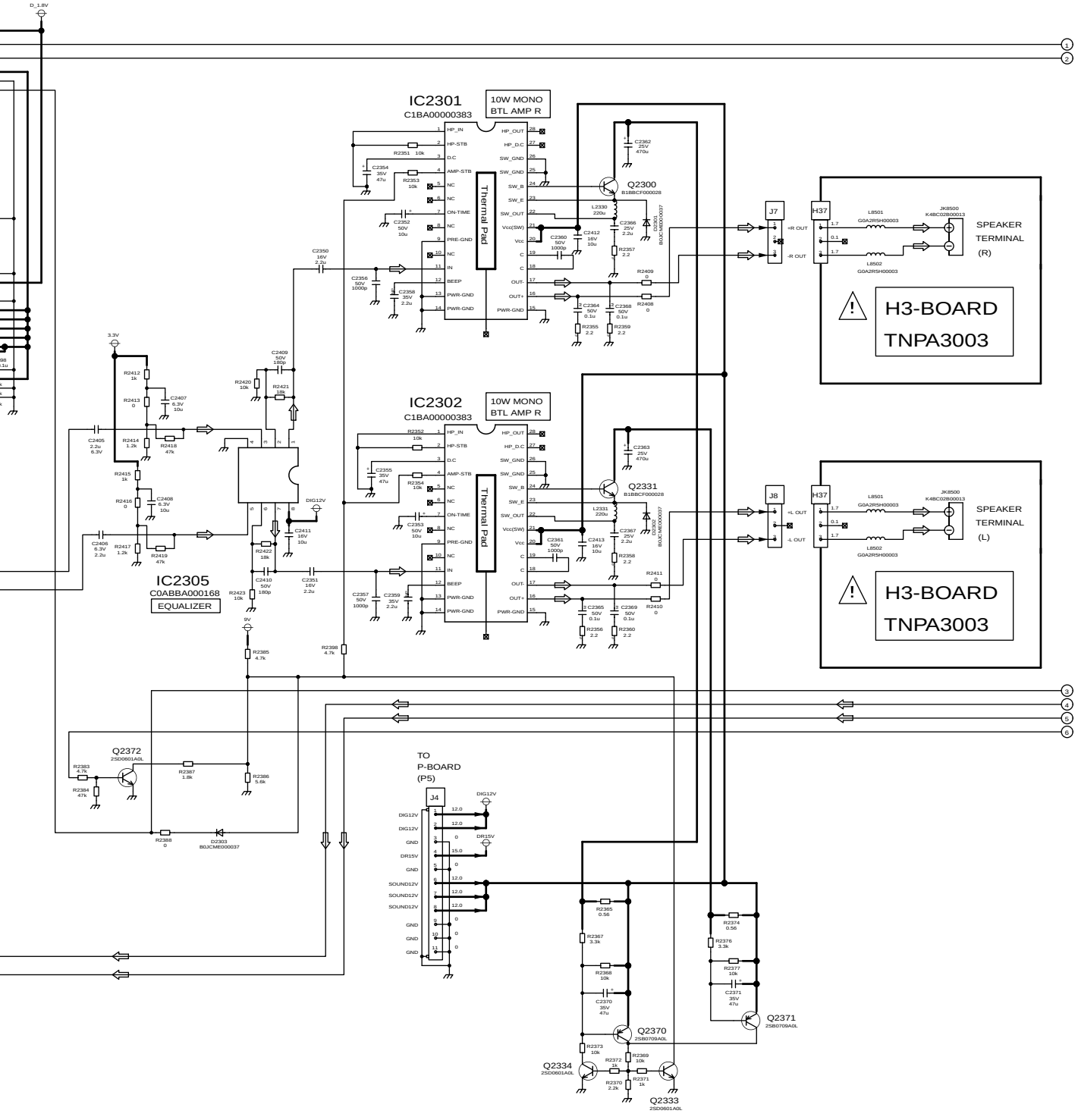
TH-42PHD8BK/BS/EK/ES
J-Board (2 of 2) Block Diagram



TH-42PHD8BK/BS/EK/ES
J-Board (2 of 2) Block Diagram

15.13. J-Board (1 of 4) and H3-Board Schematic Diagram

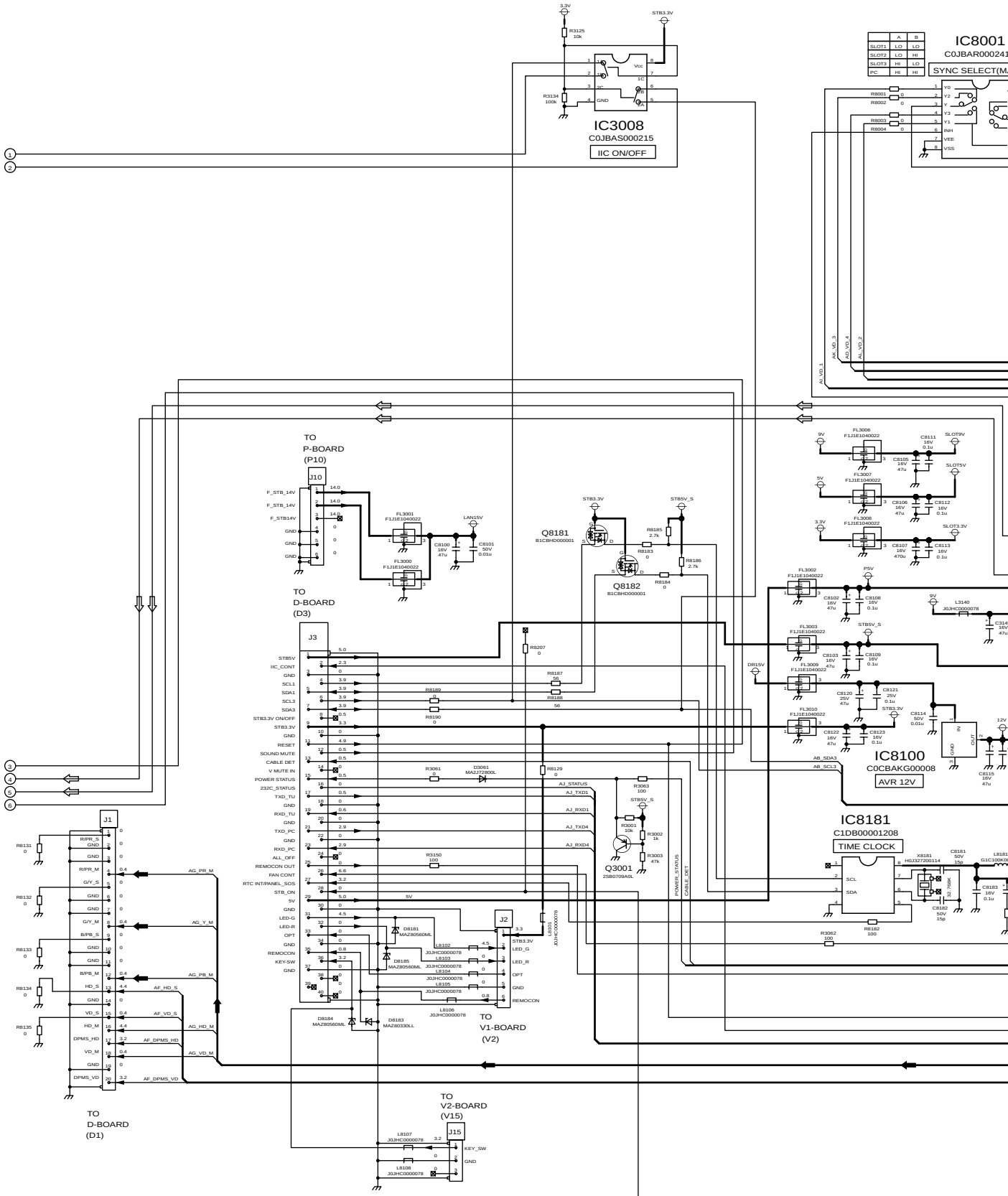


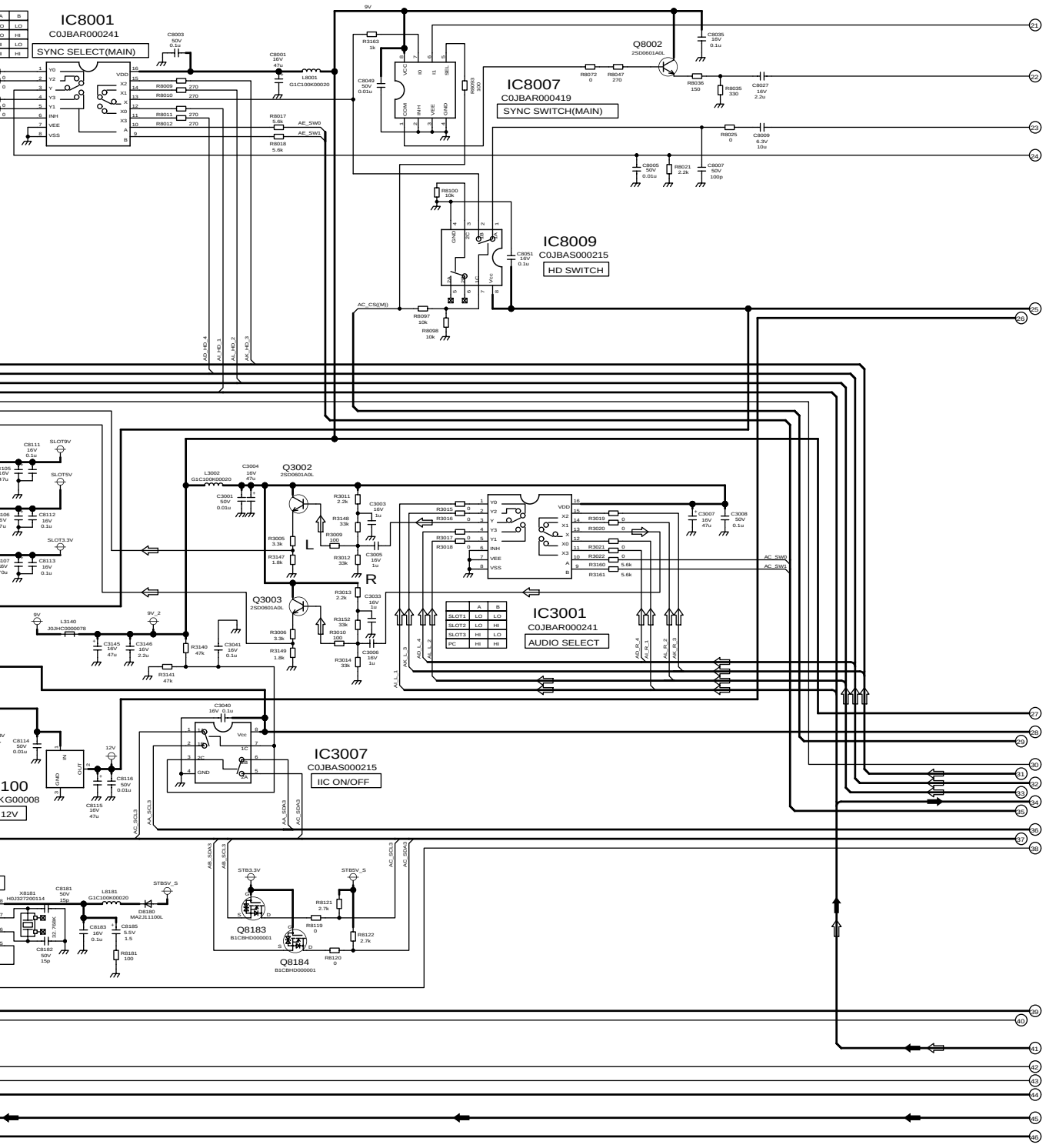


TH-42PHD8BK/BS/EK/ES
J-Board (1 of 4) and H3-Board Schematic Diagram

5 6 7 8 9

15.14. J-Board (2 of 4) Schematic Diagram



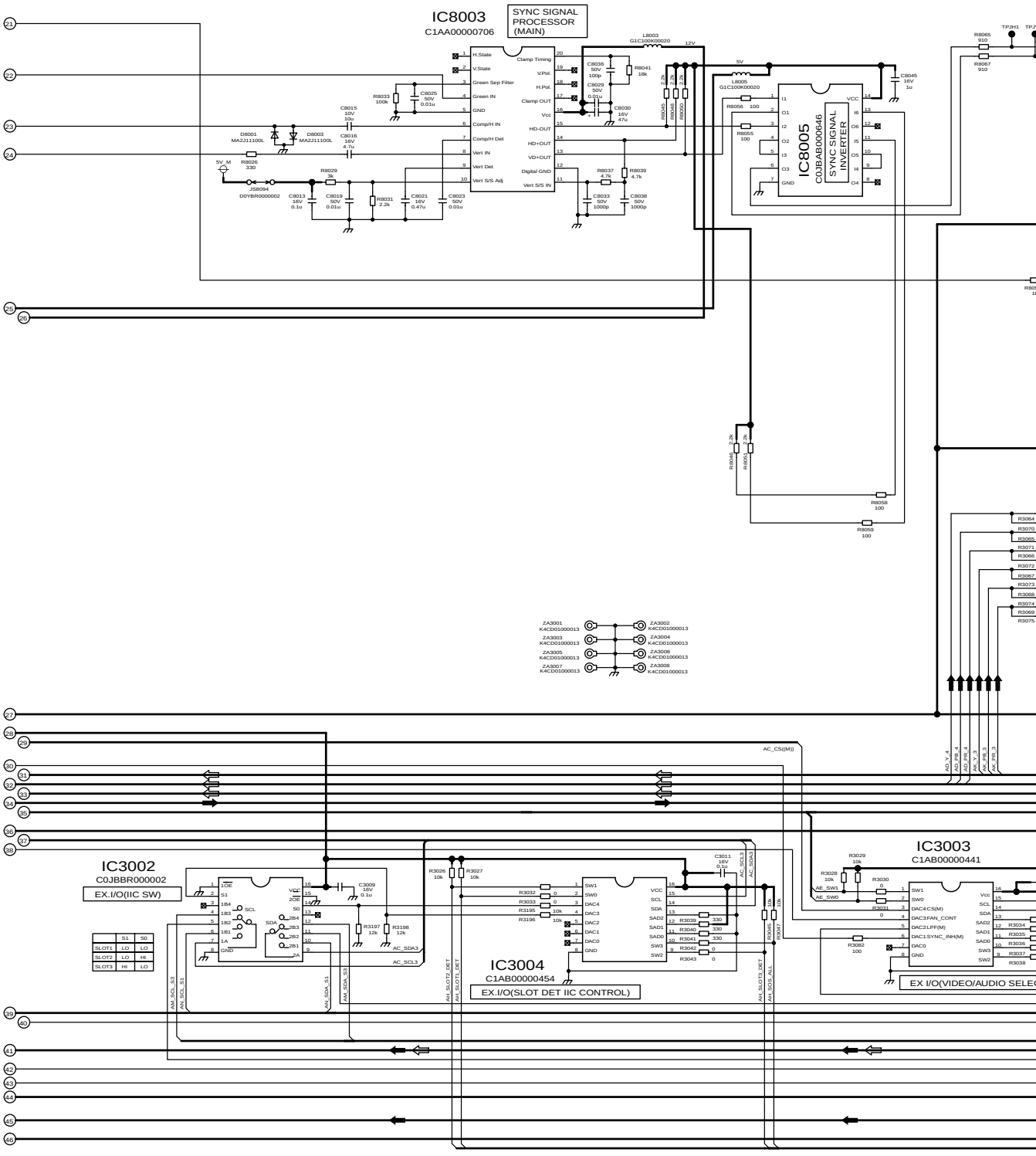


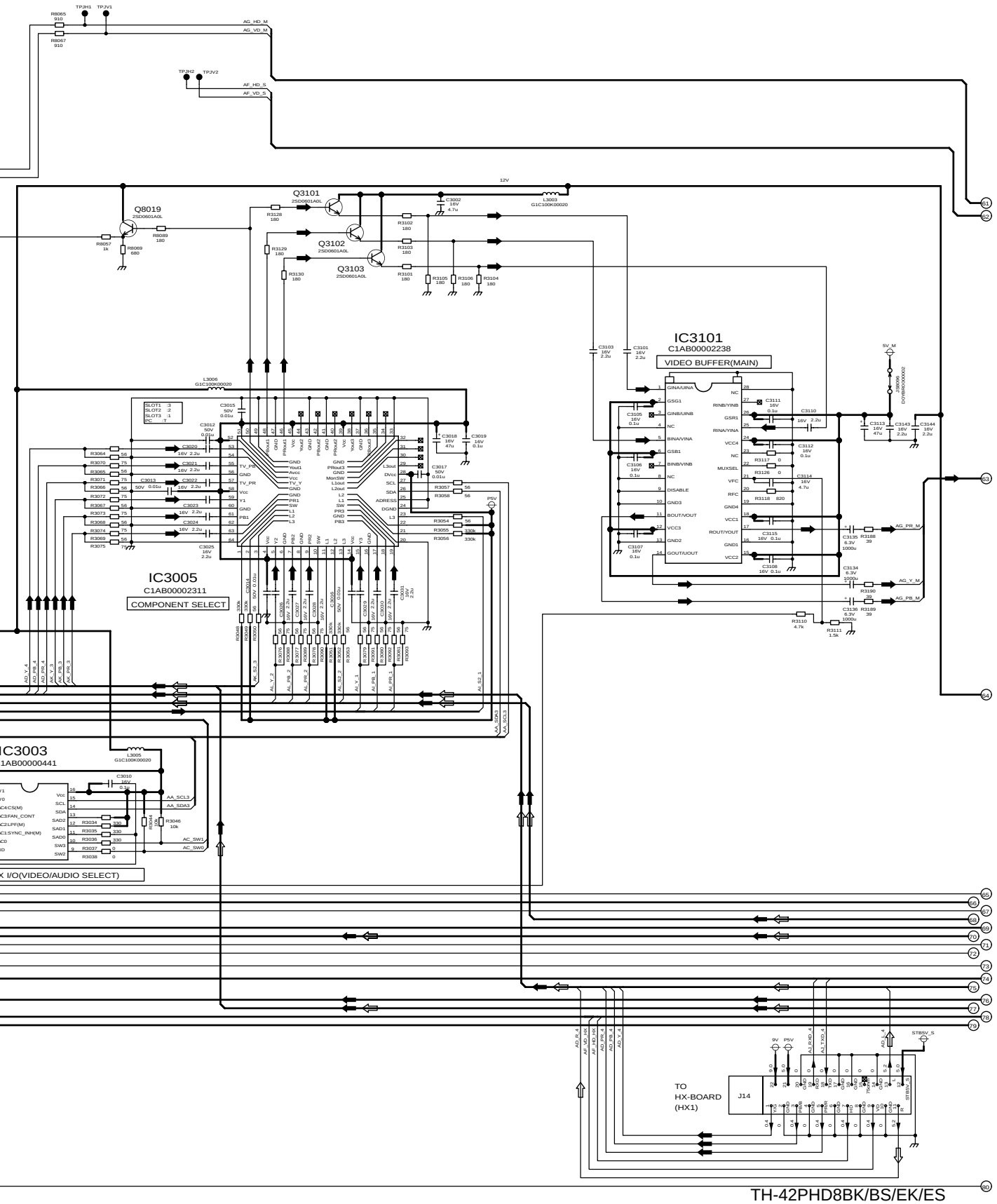
⚠ J-BOARD TNPA3630AB (2/4)

TH-42PHD8BK/BS/EK/ES
J-Board (2 of 4) Schematic Diagram

14 15 16 17 18

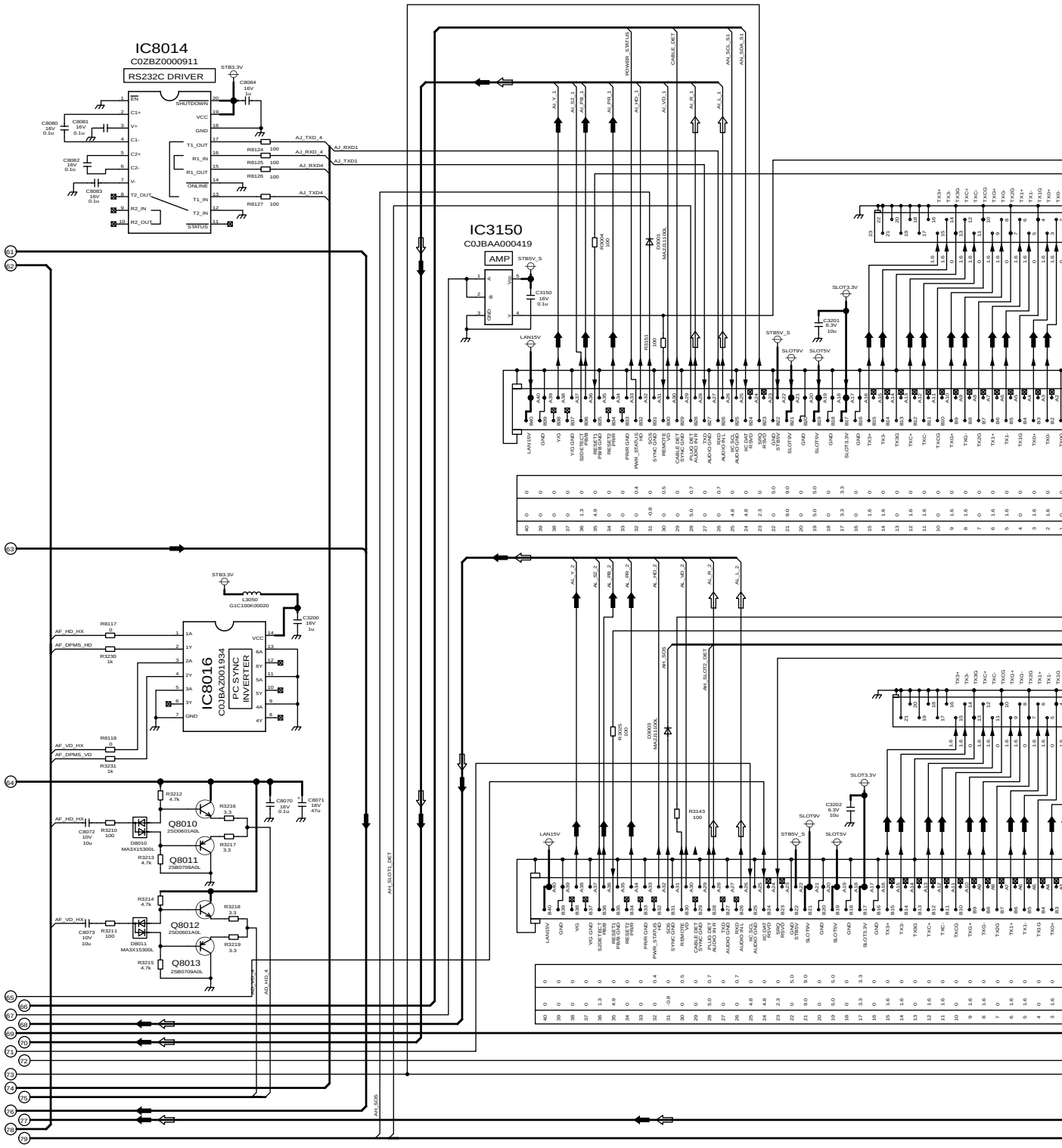
15.15. J-Board (3 of 4) Schematic Diagram

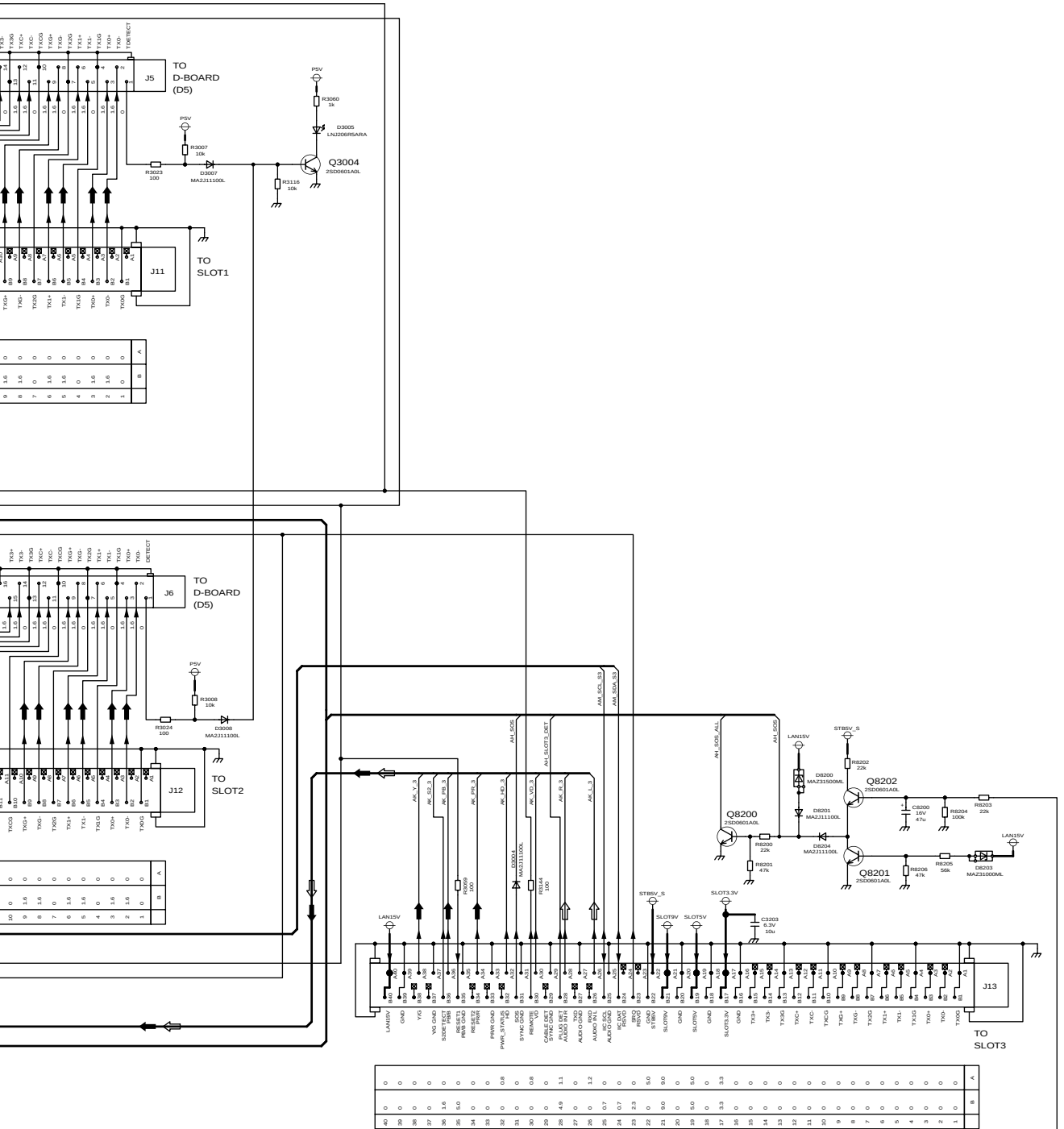




TH-42PHD8BK/BS/EK/ES
J-Board (3 of 4) Schematic Diagram

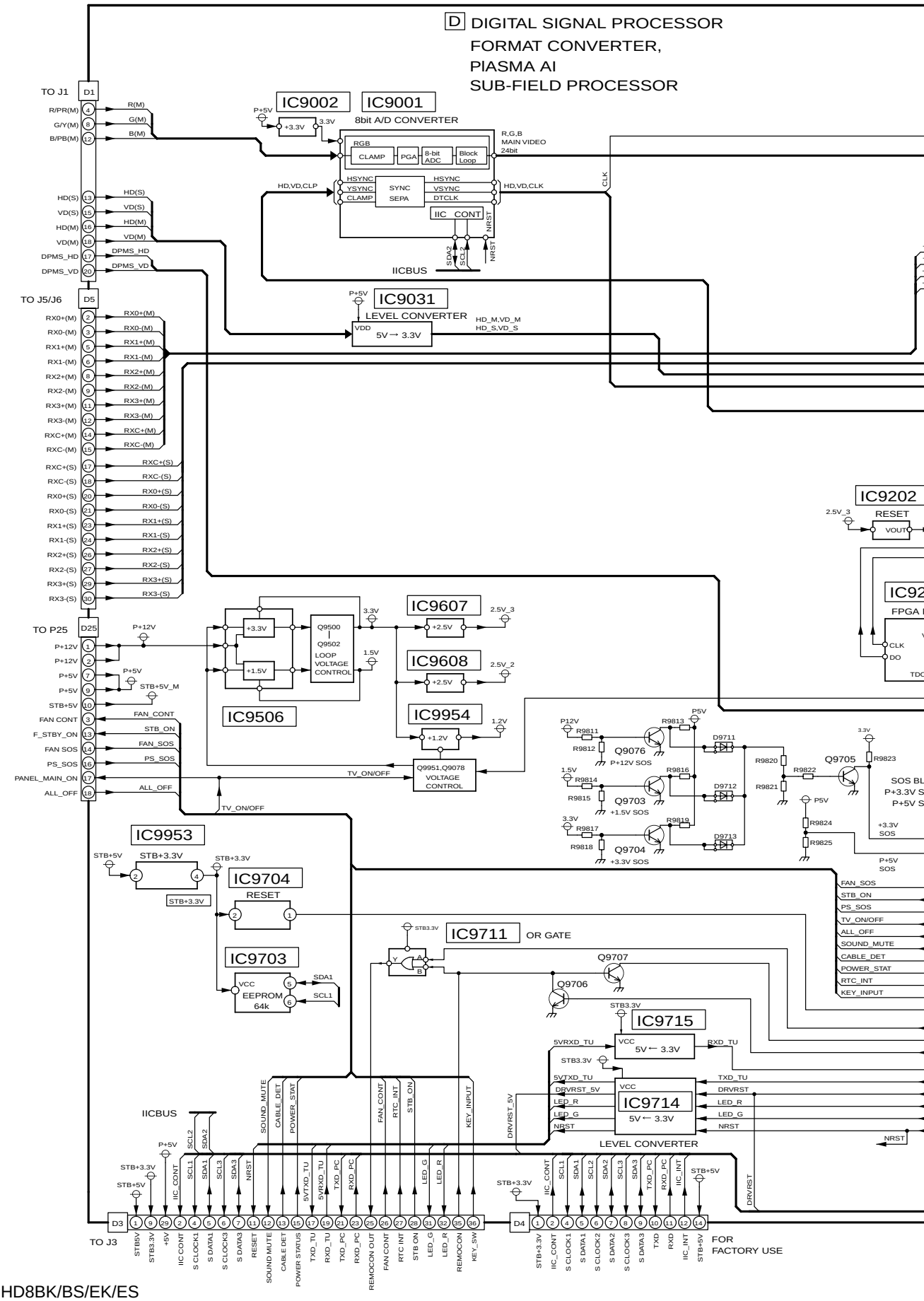
15.16. J-Board (4 of 4) Schematic Diagram



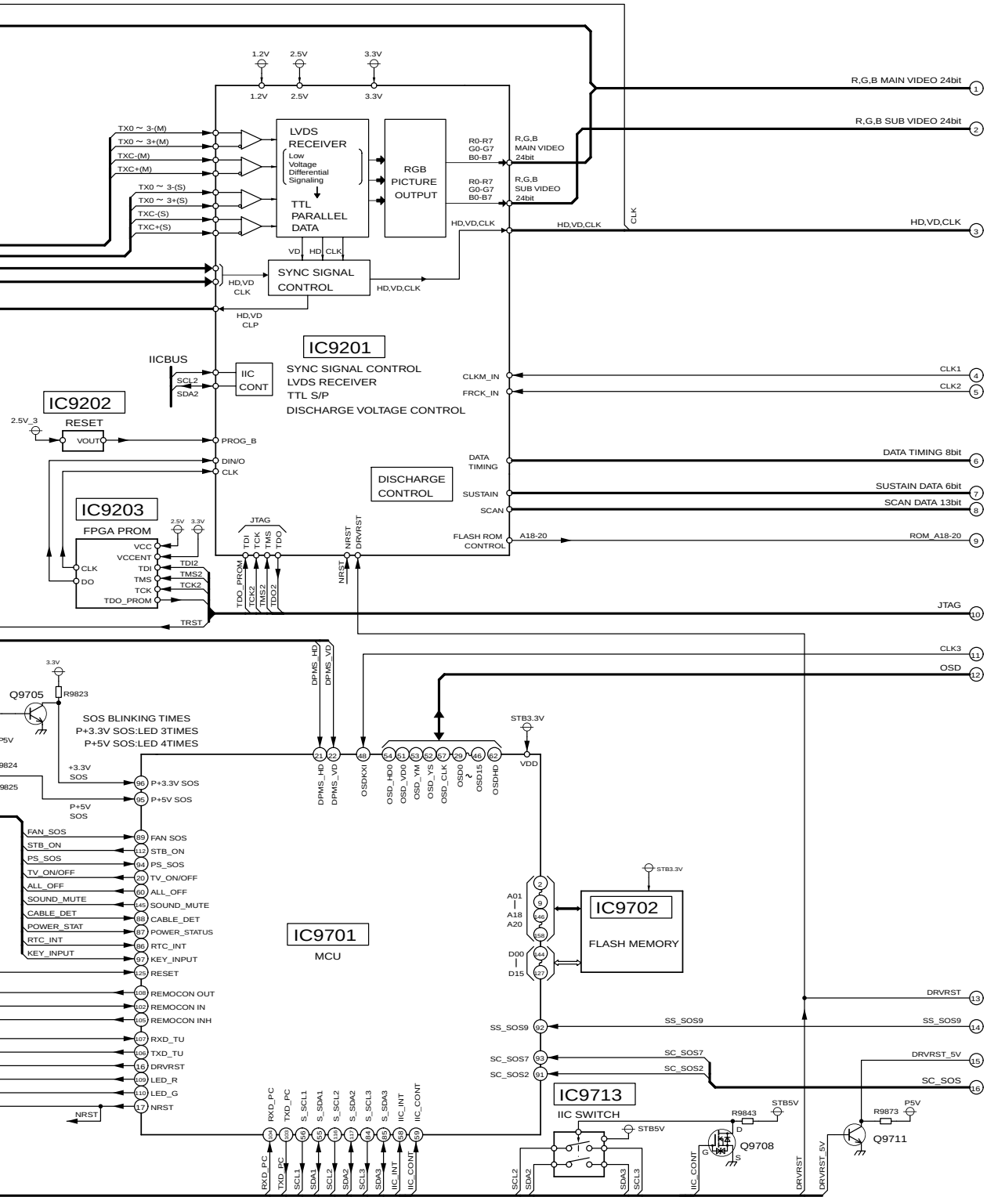


TH-42PHD8BK/BS/EK/ES
J-Board (4 of 4) Schematic Diagram

15.17. D-Board (1 of 2) Block Diagram

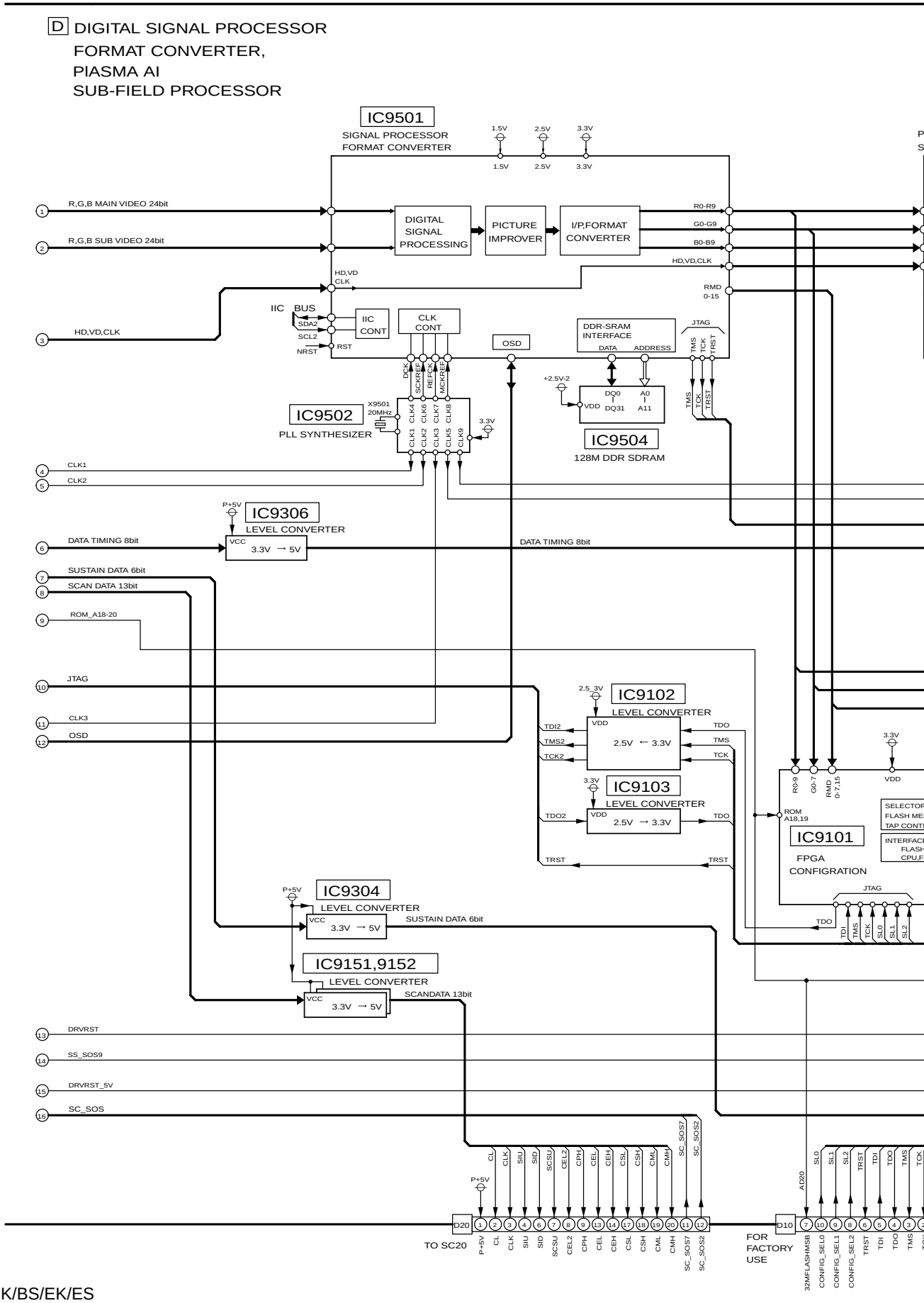


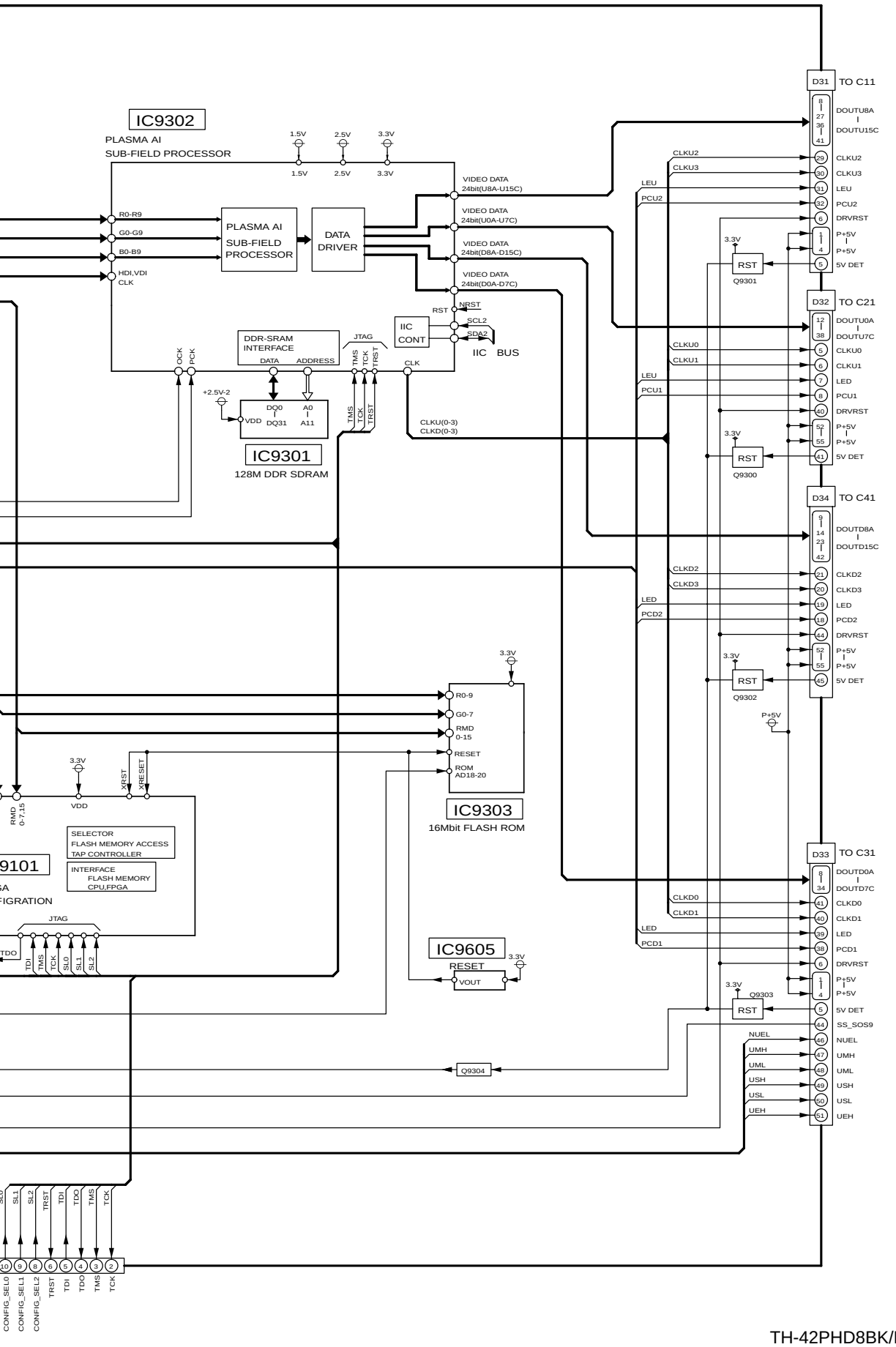
TH-42PHD8BK/BS/EK/ES
D-Board (1 of 2) Block Diagram



TH-42PHD8BK/BS/EK/ES
D-Board (1 of 2) Block Diagram

15.18. D-Board (2 of 2) Block Diagram

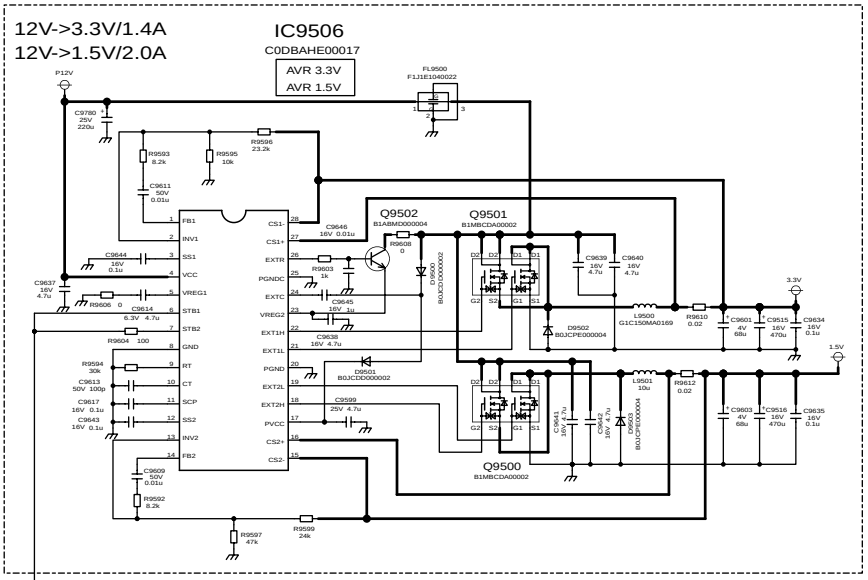


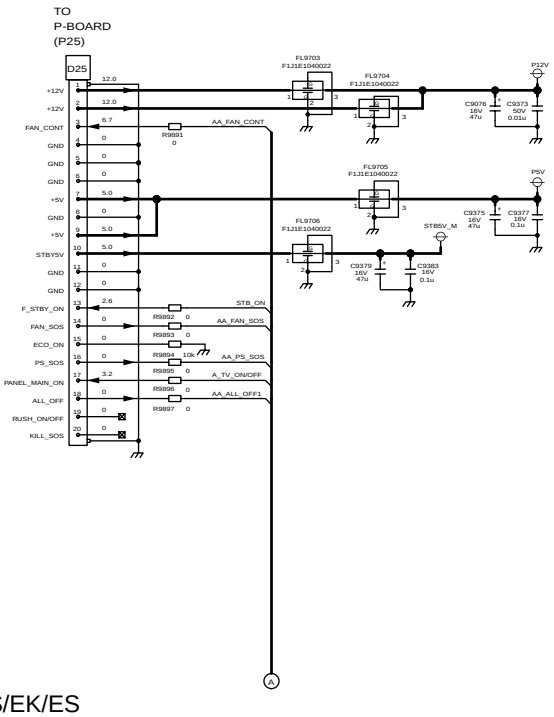


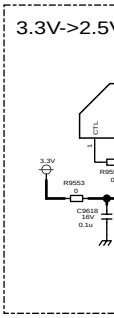
TH-42PHD8BK/BS/EK/ES
D-Board (2 of 2) Block Diagram

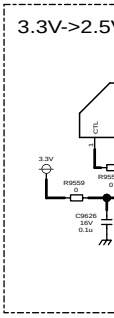
15.19. D-Board (1 of 12) Schematic Diagram

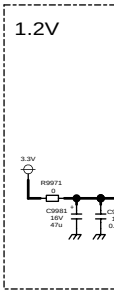
D-BOARD TZTNP01YQSE (1/12)



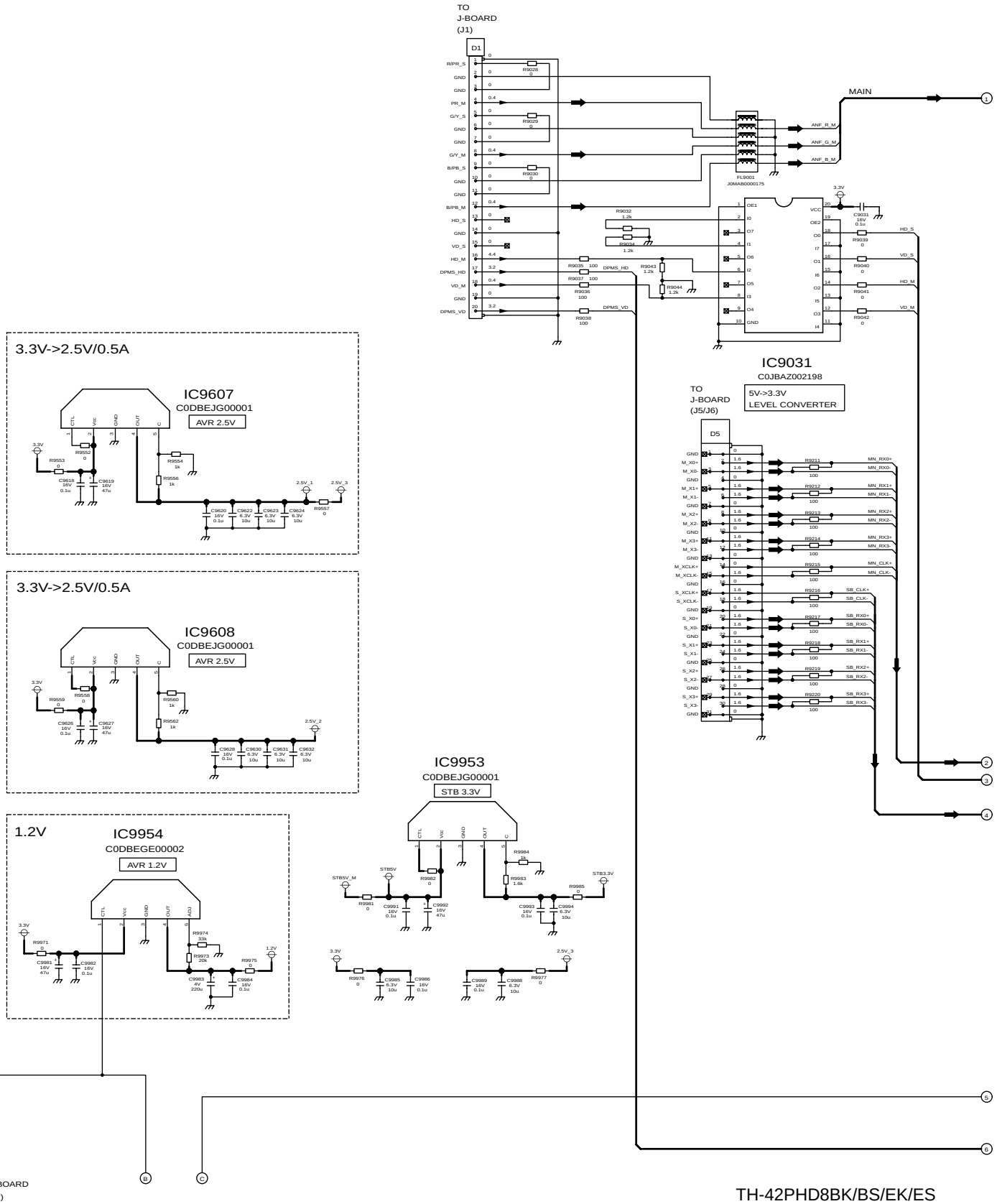






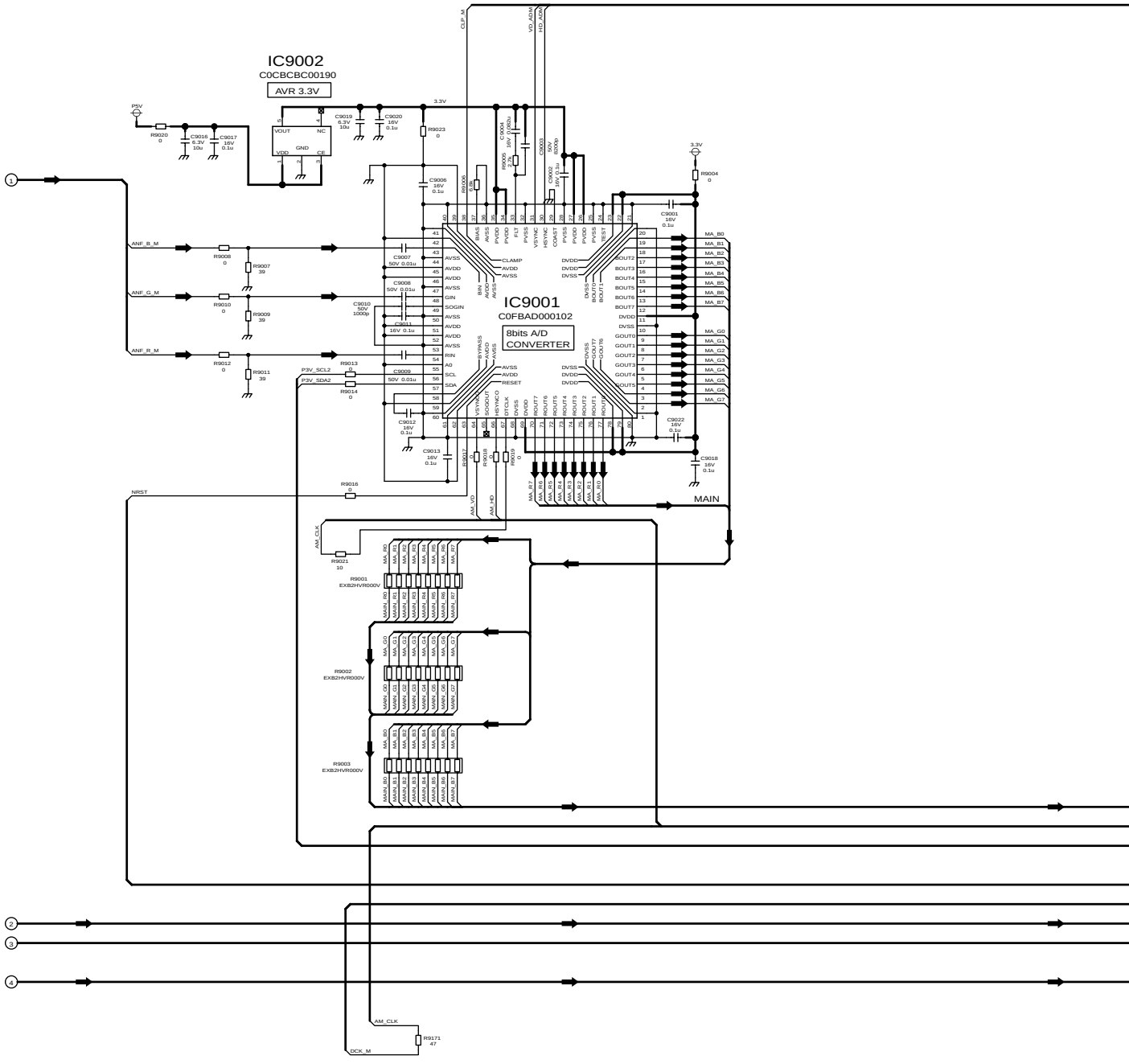


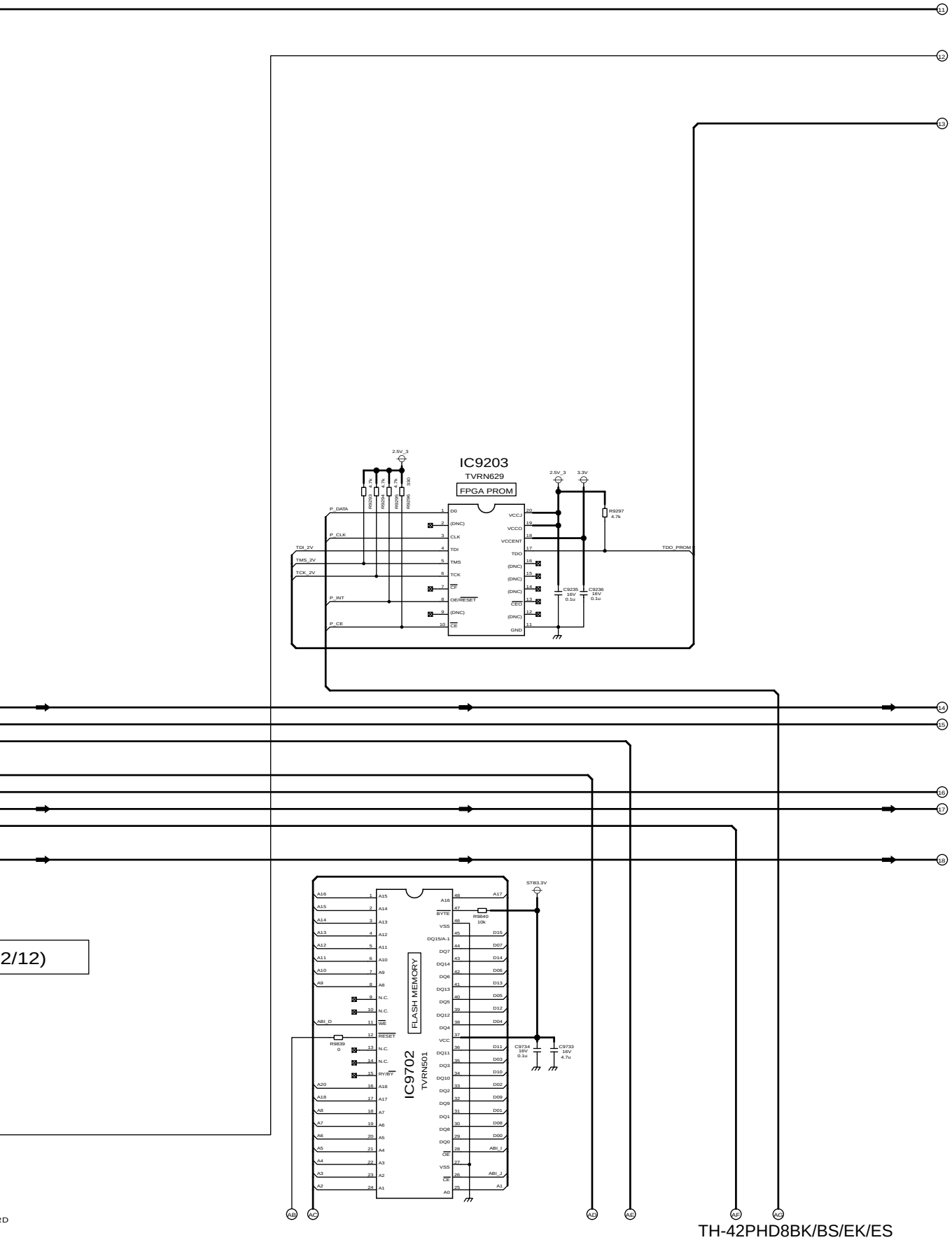
TO
DG-BOARD
(7/12)



TH-42PHD8BK/BS/EK/ES
D-Board (1 of 12) Schematic Diagram

15.20. D-Board (2 of 12) Schematic Diagram



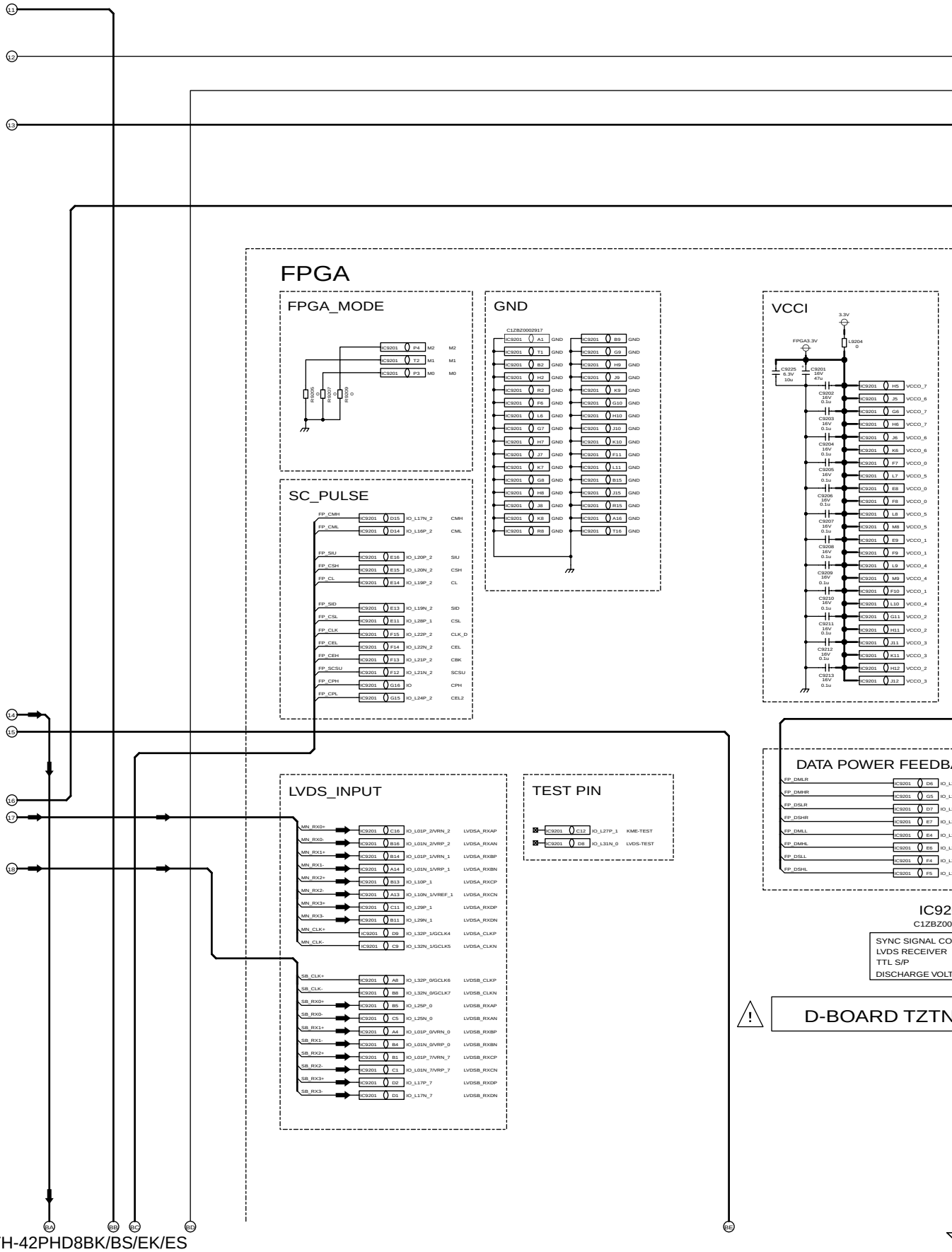


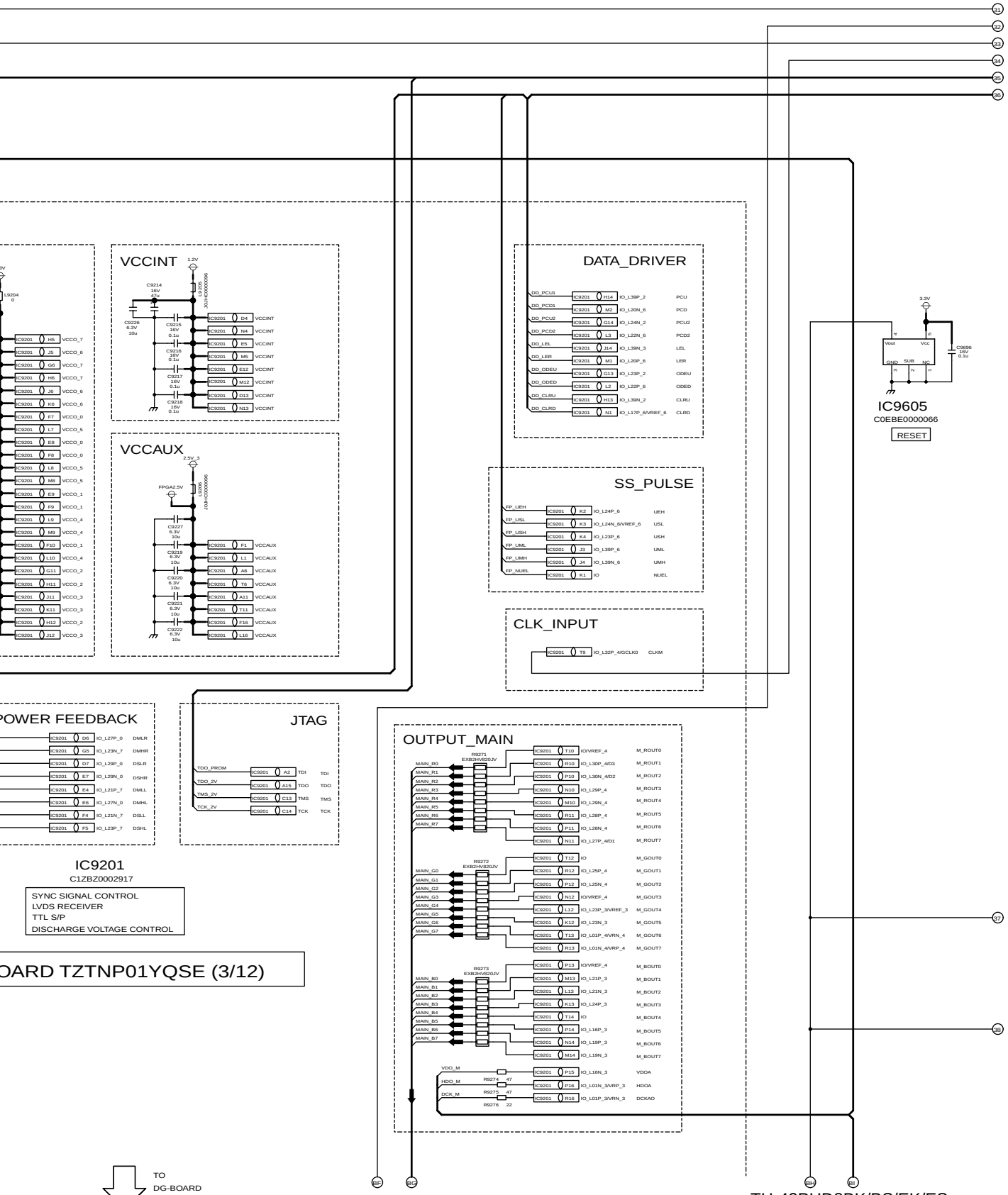
(2/12)

TH-42PHD8BK/BS/EK/ES
D-Board (2 of 12) Schematic Diagram

14 15 16 17 18

15.21. D-Board (3 of 12) Schematic Diagram

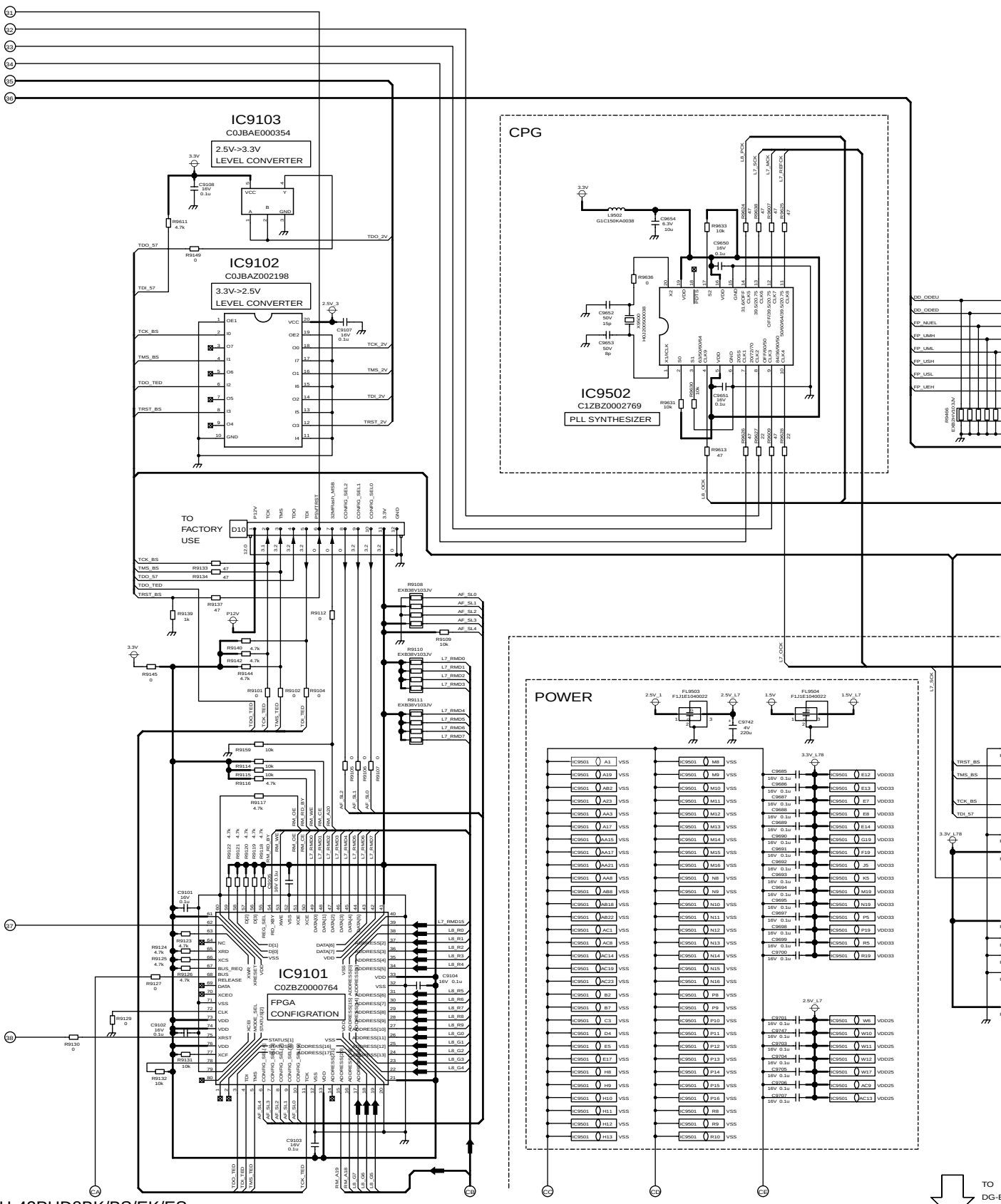




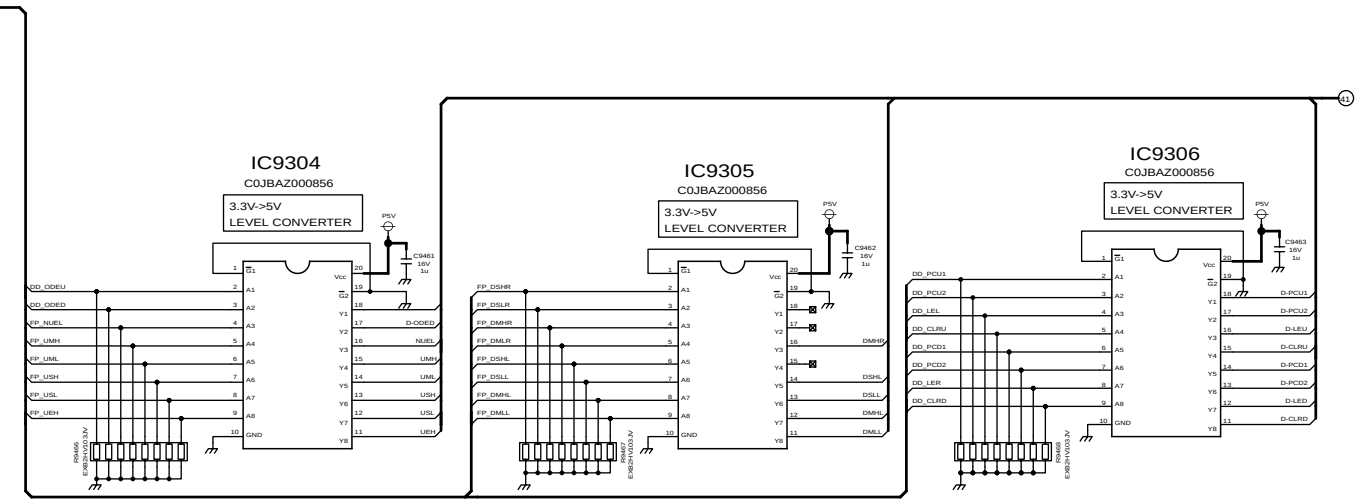
OARD TZTNP01YQSE (3/12)

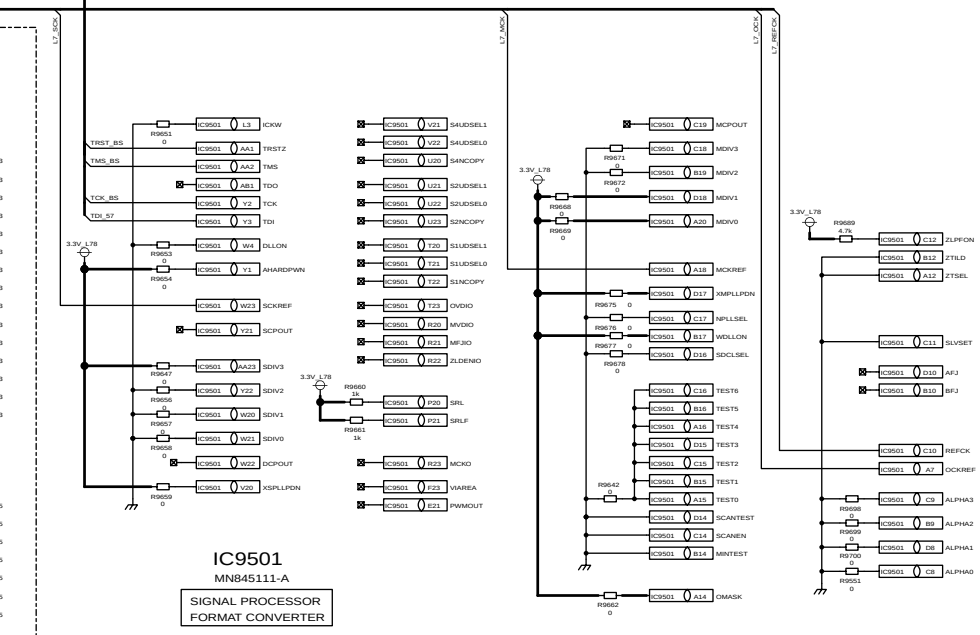
TH-42PHD8BK/BS/EK/ES
D-Board (3 of 12) Schematic Diagram

15.22. D-Board (4 of 12) Schematic Diagram



D-BOARD TZTNP01YQSE (4/12)

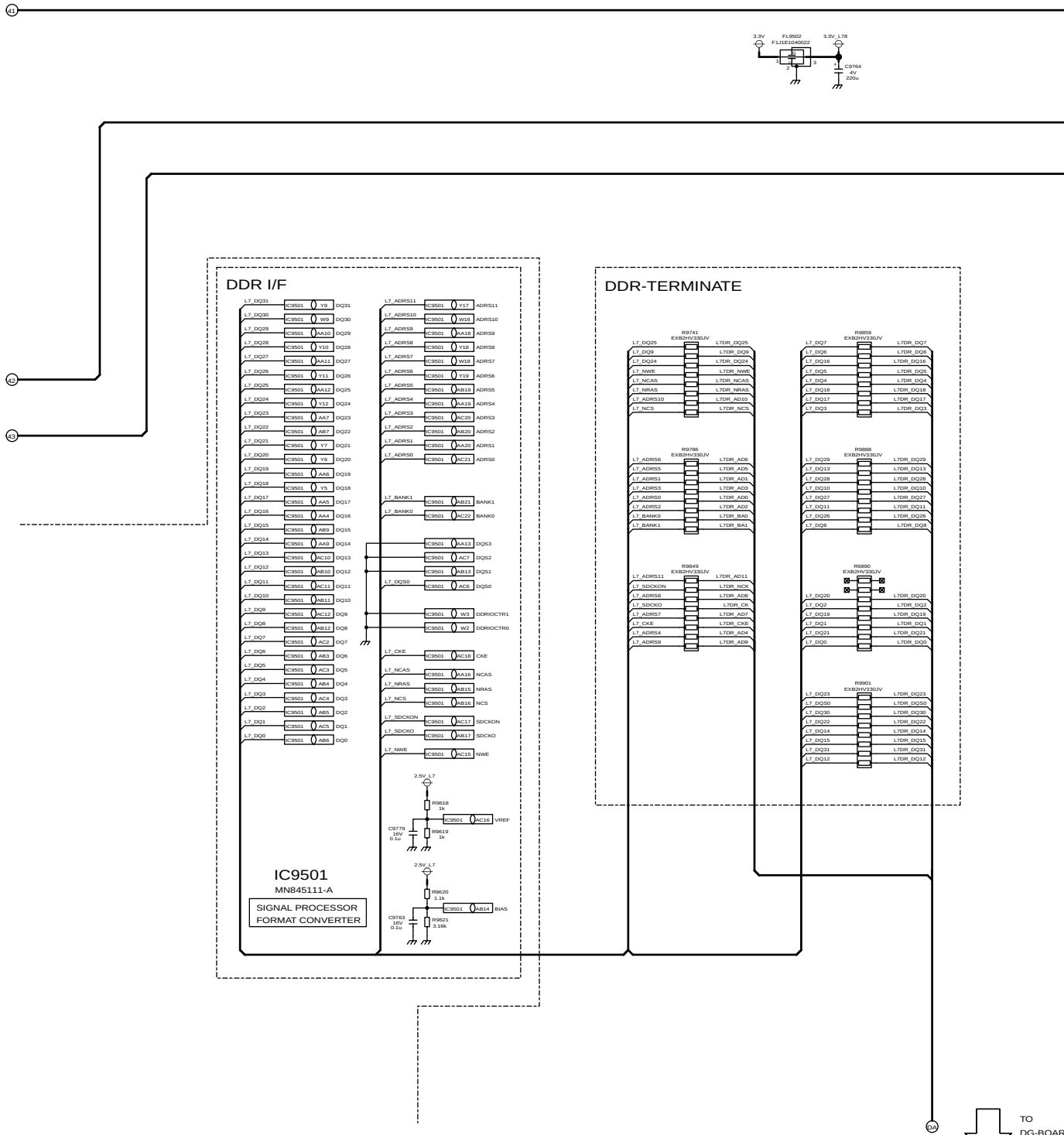




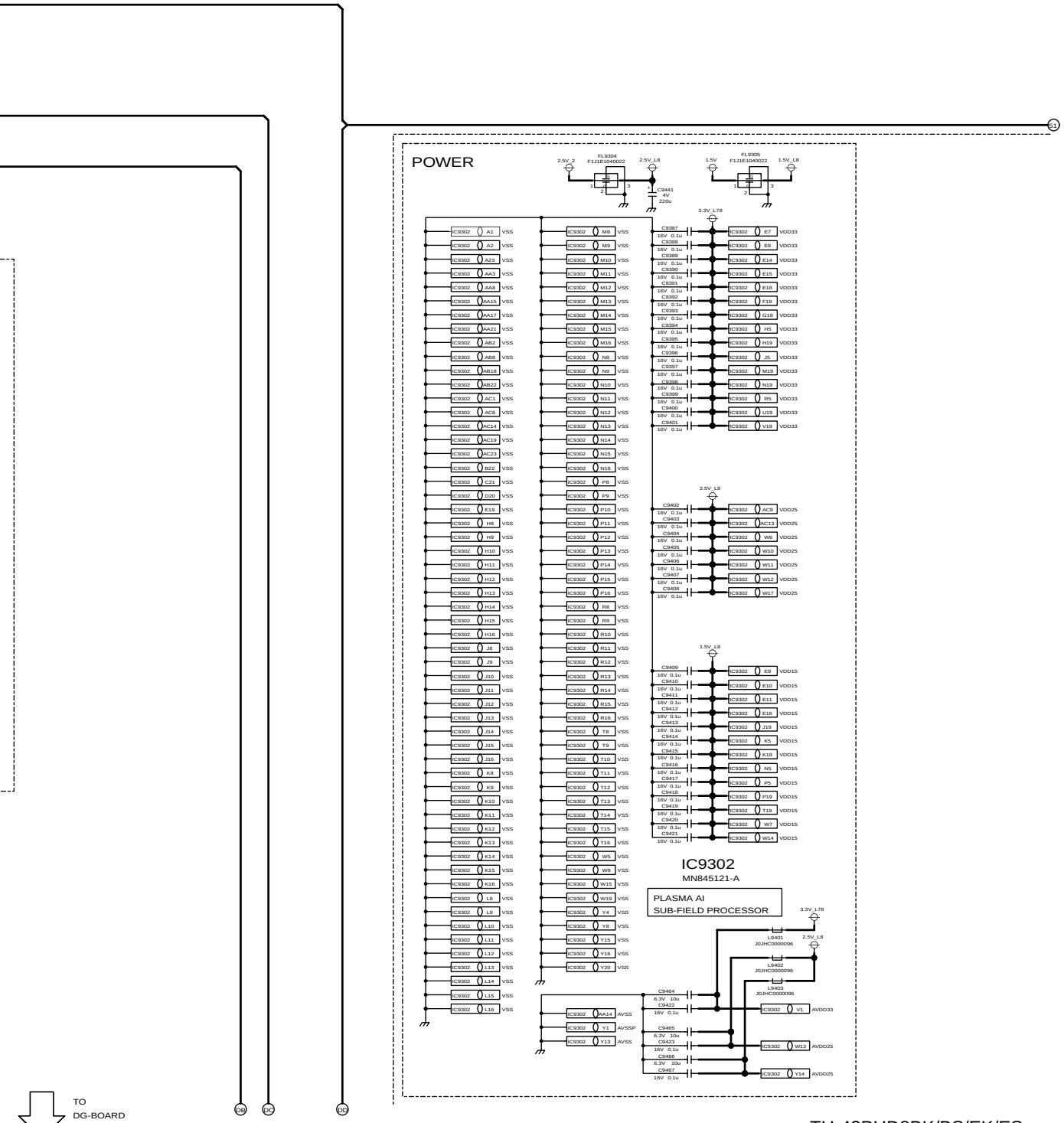
TO
DG-BOARD
(10/12)

TH-42PHD8BK/BS/EK/ES
D-Board (4 of 12) Schematic Diagram

15.23. D-Board (5 of 12) Schematic Diagram

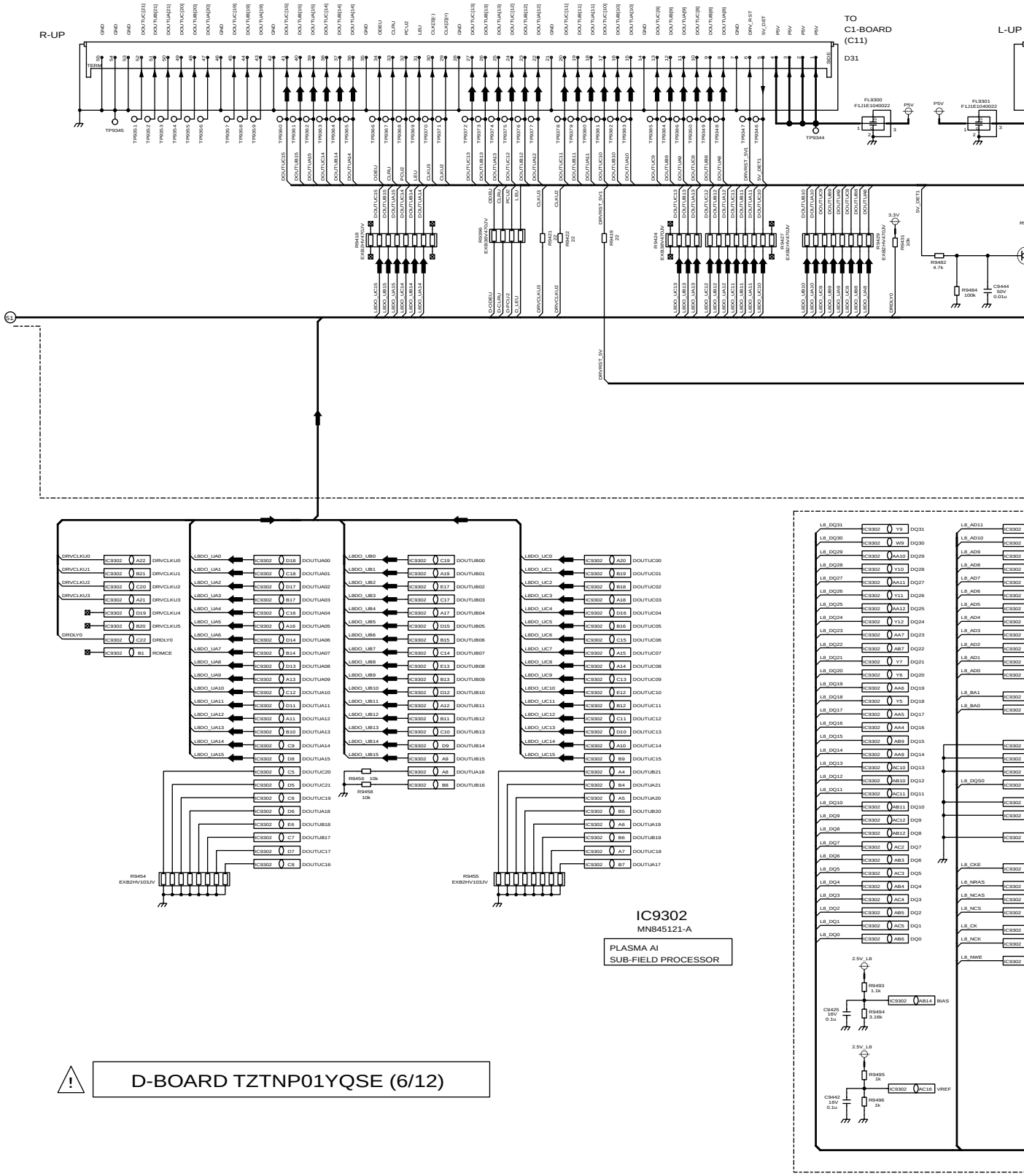


D-BOARD TZTNP01YQSE (5/12)

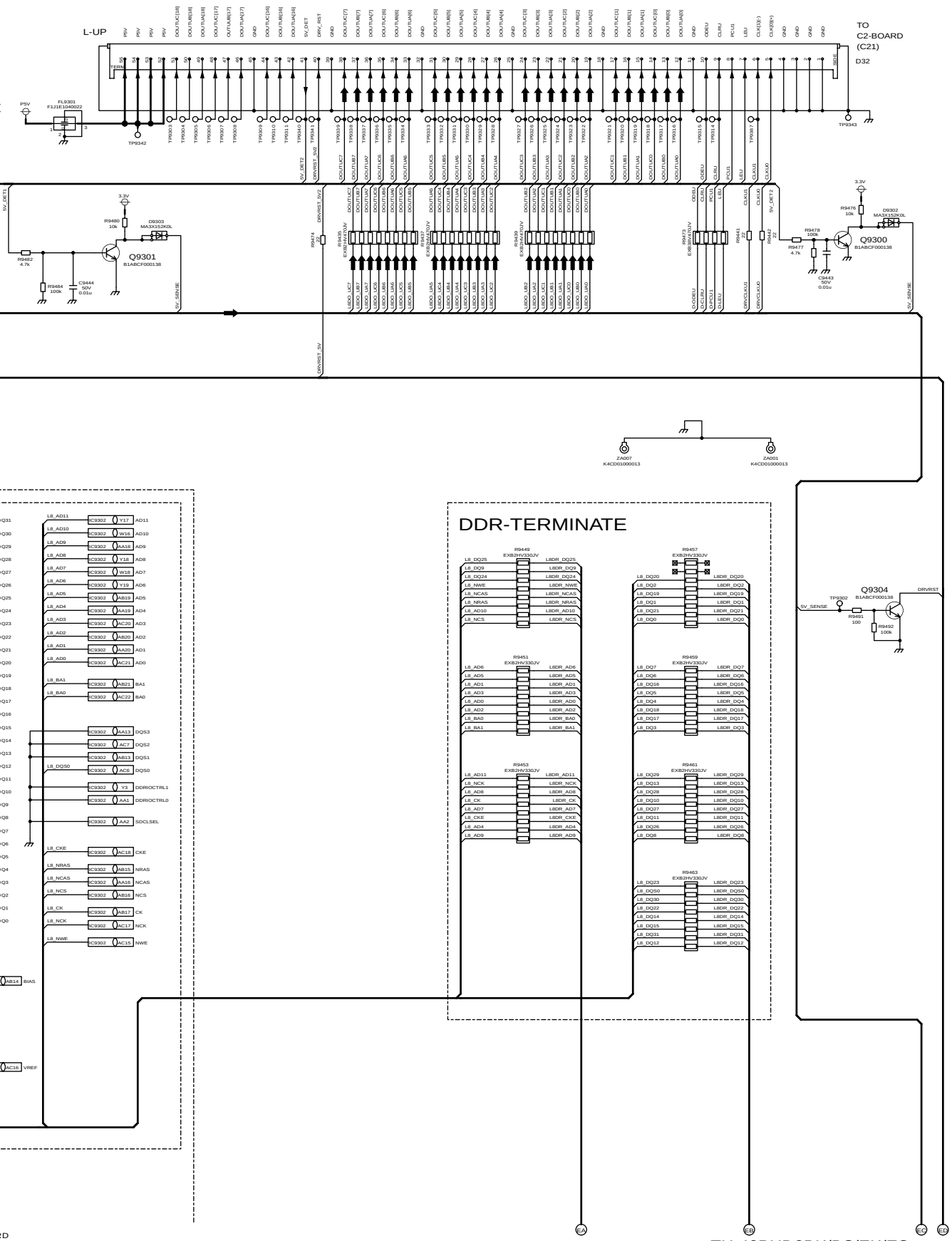


TH-42PHD8BK/BS/EK/ES
D-Board (5 of 12) Schematic Diagram

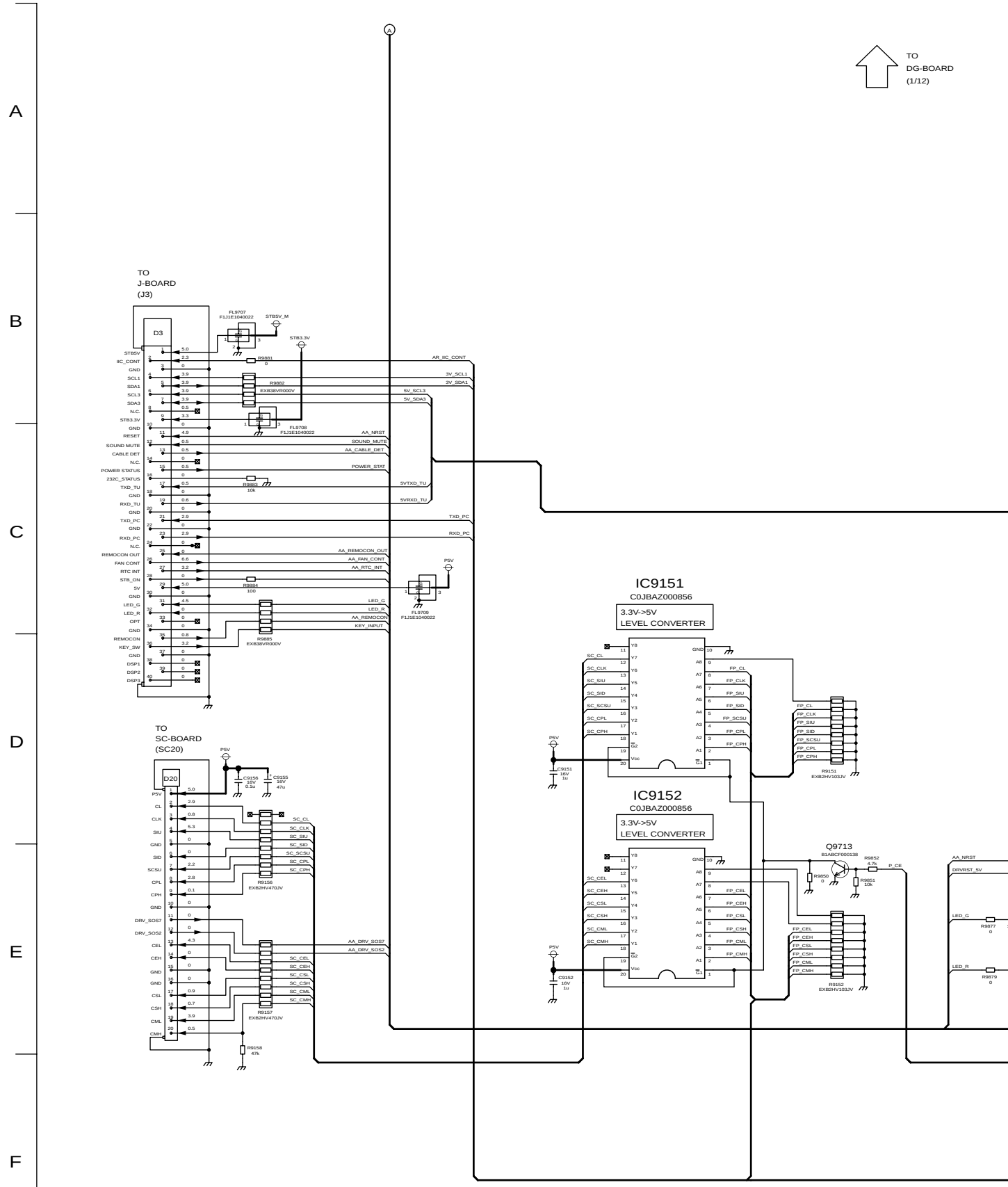
15.24. D-Board (6 of 12) Schematic Diagram



TH-42PHD8BK/BS/EK/ES
D-Board (6 of 12) Schematic Diagram

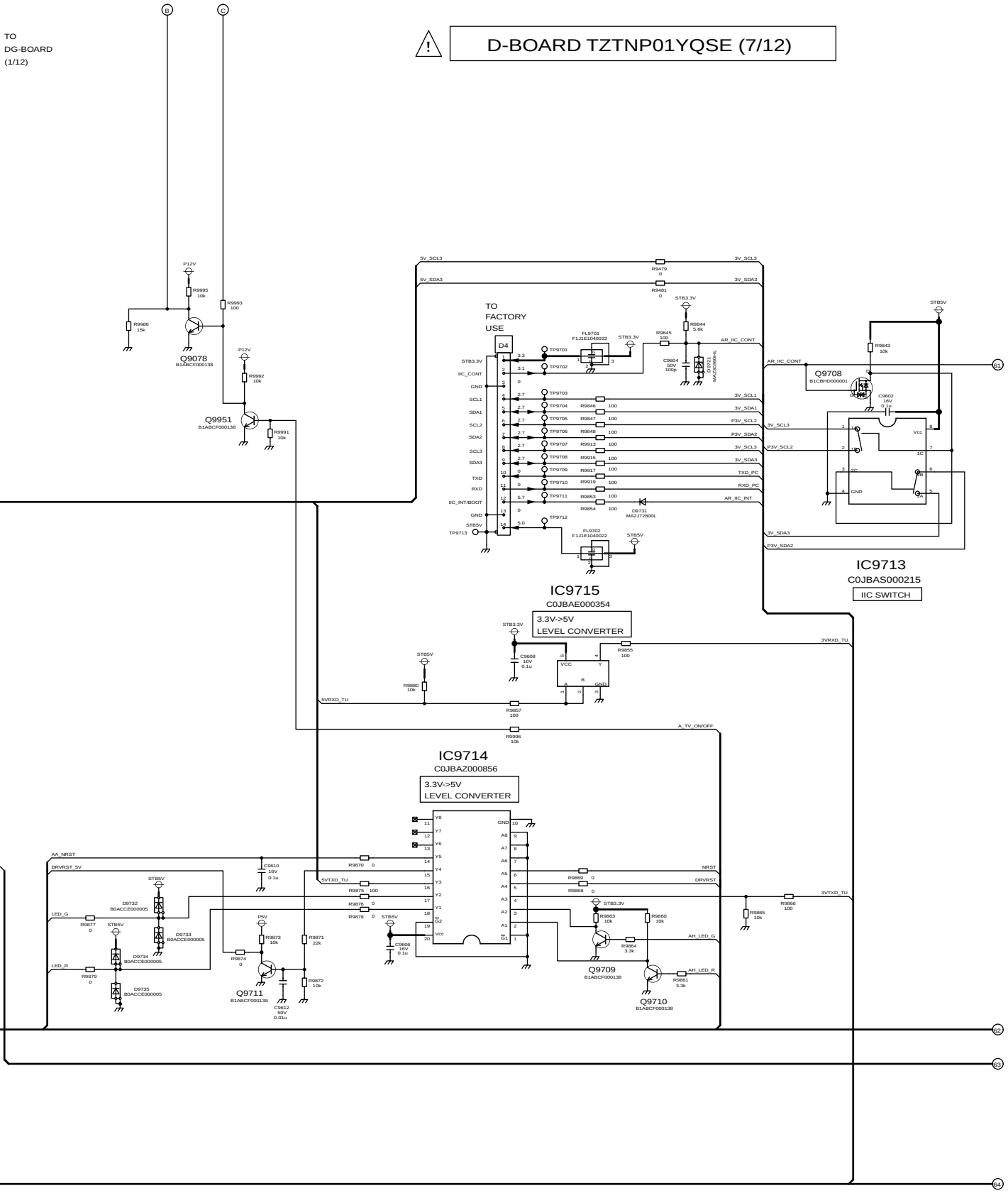

L-UP
TO
C2-BOARD
(C21)
D32
DDR-TERMINATE
Q9301
B1ABCF000138
Q9300
B1ABCF000138
Q9304
B1ABCF000138
3.3V
5V_DET1
5V_DET2
5V_SENSE
DRVRST_5V
DRVRST
TH-42PHD8BK/BS/EK/ES
D-Board (6 of 12) Schematic Diagram

15.25. D-Board (7 of 12) Schematic Diagram



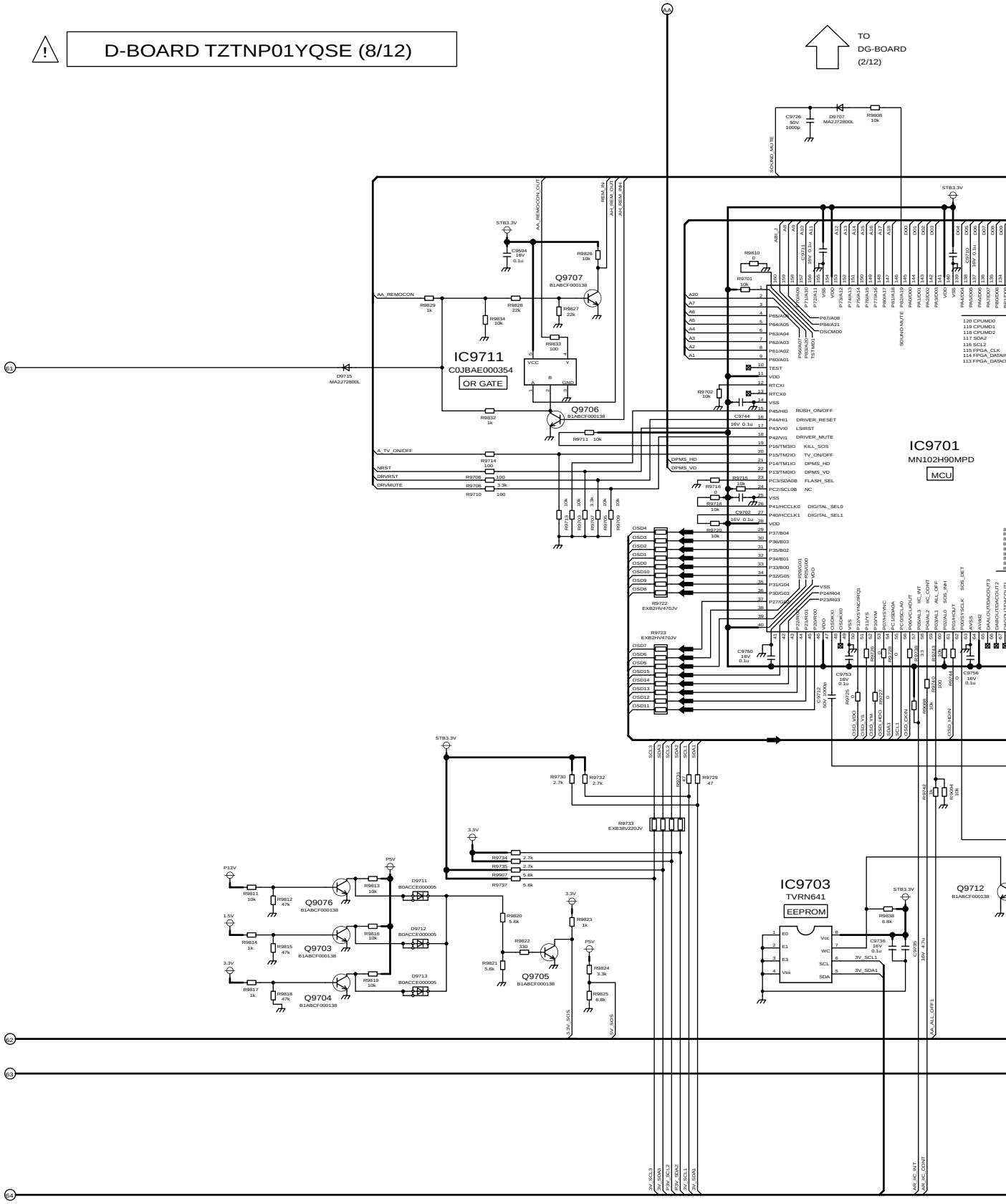
TO
DG-BOARD
(1/12)

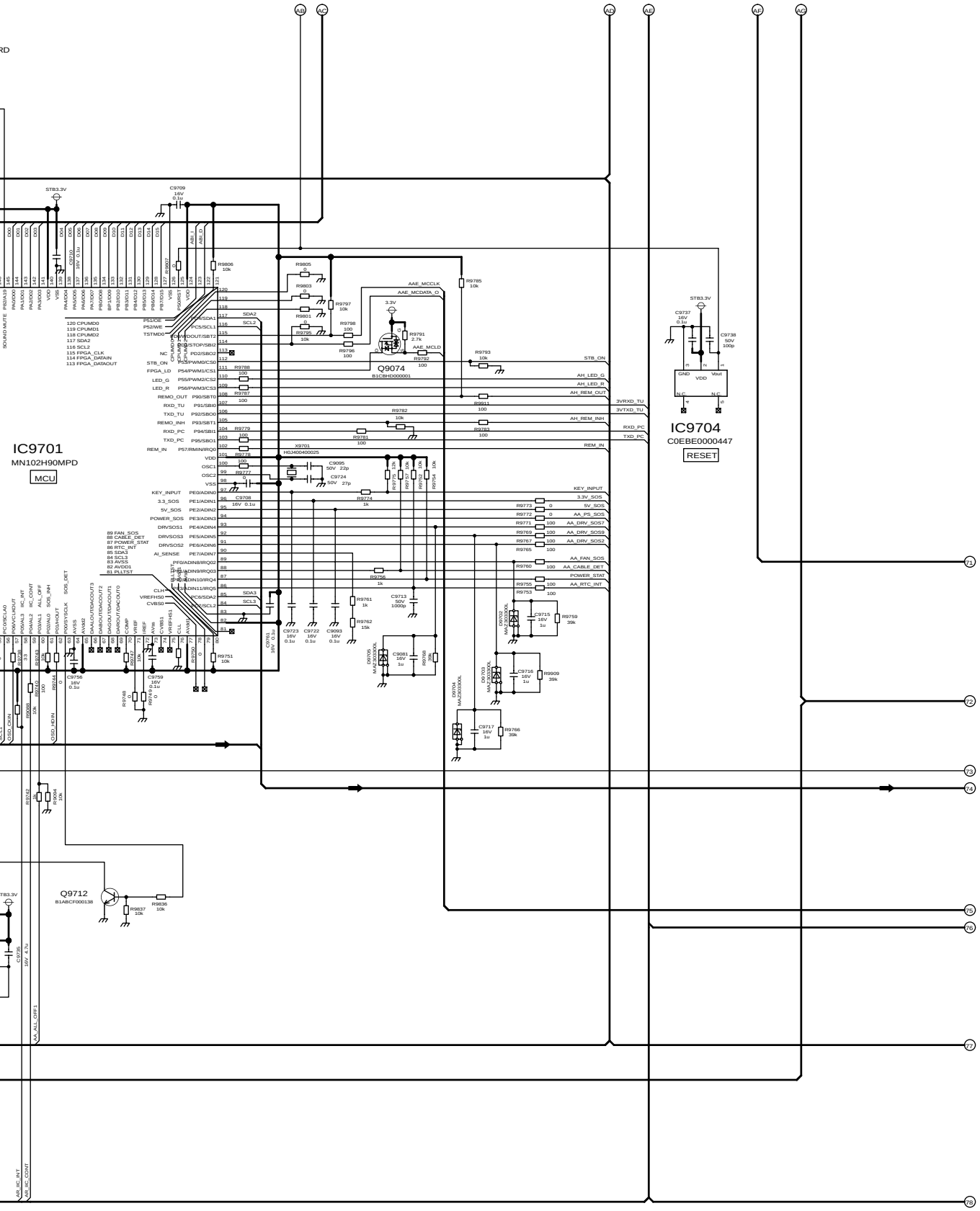
D-BOARD TZTNP01YQSE (7/12)



TH-42PHD8BK/BS/EK/ES
D-Board (7 of 12) Schematic Diagram

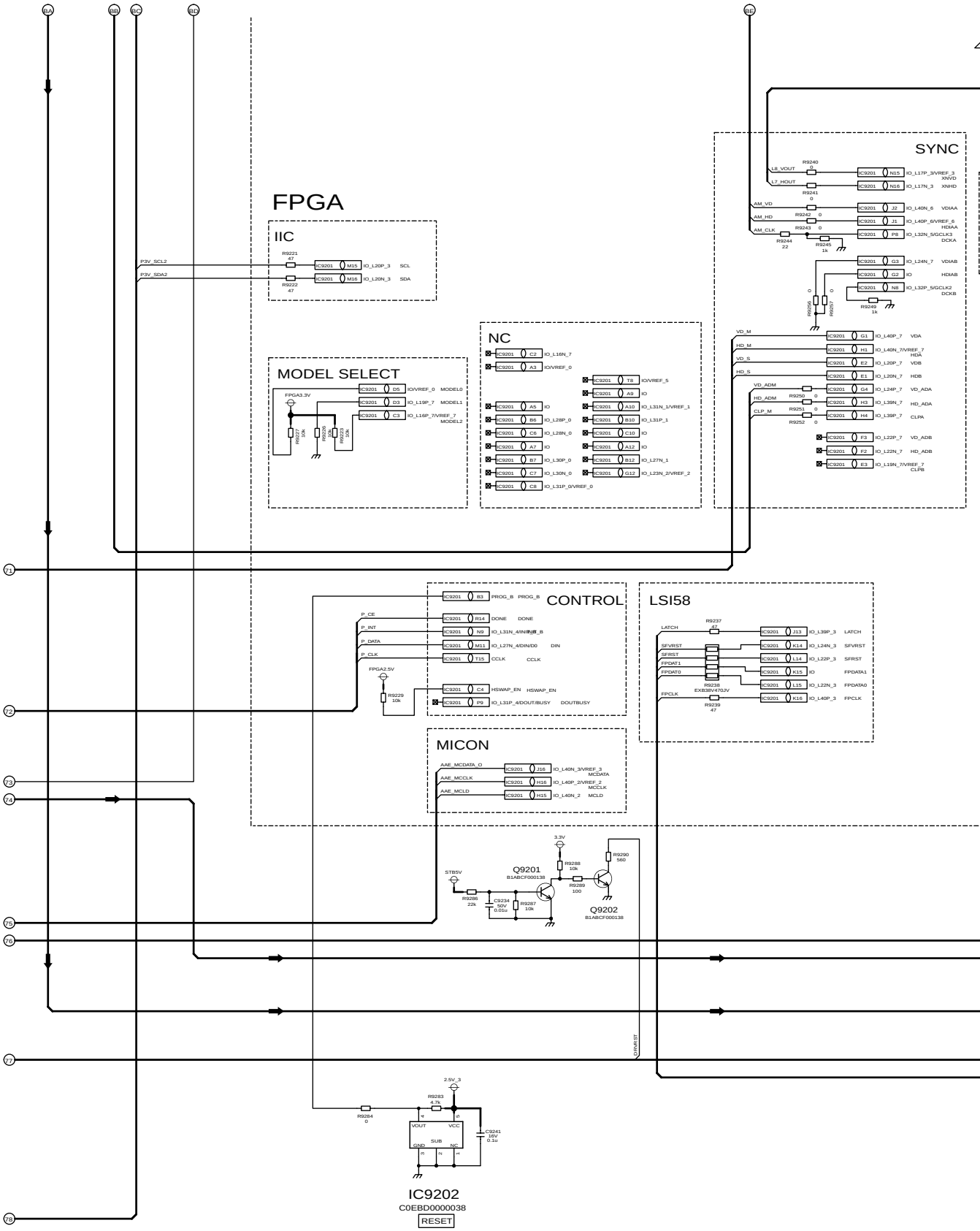
15.26. D-Board (8 of 12) Schematic Diagram



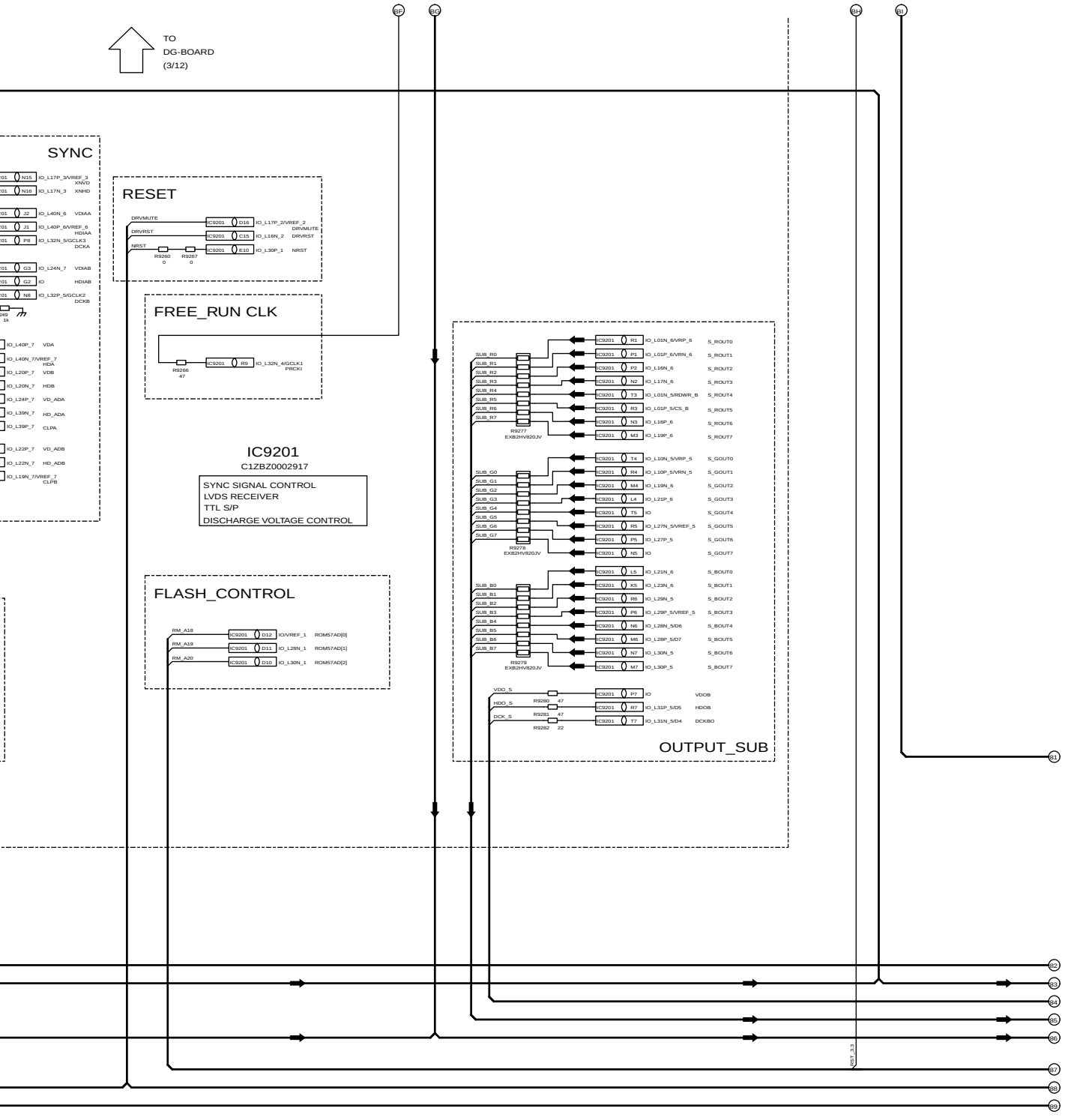


TH-42PHD8BK/BS/EK/ES
D-Board (8 of 12) Schematic Diagram

15.27. D-Board (9 of 12) Schematic Diagram



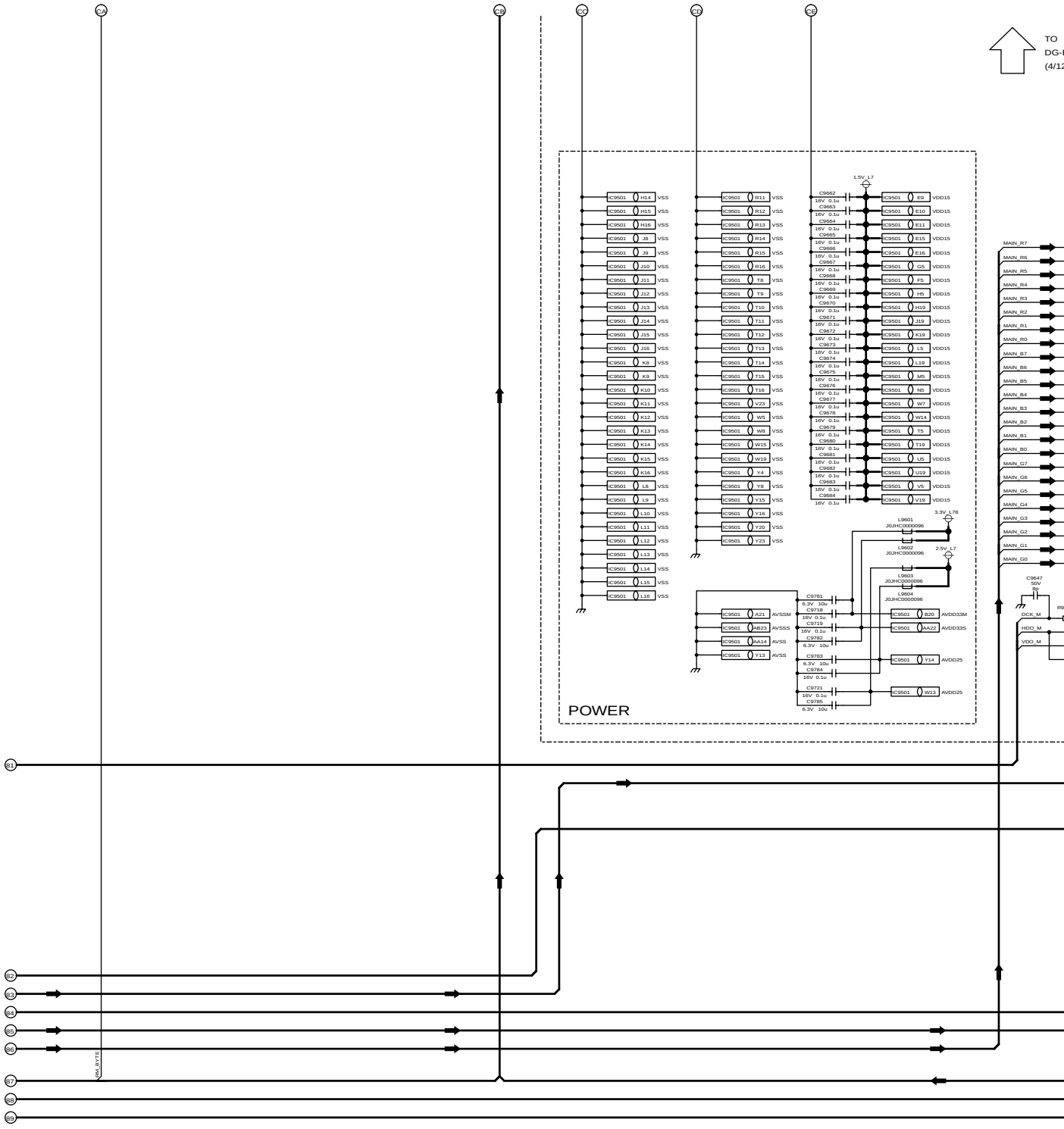
TH-42PHD8BK/BS/EK/ES
D-Board (9 of 12) Schematic Diagram



D-BOARD TZTNP01YQSE (9/12)

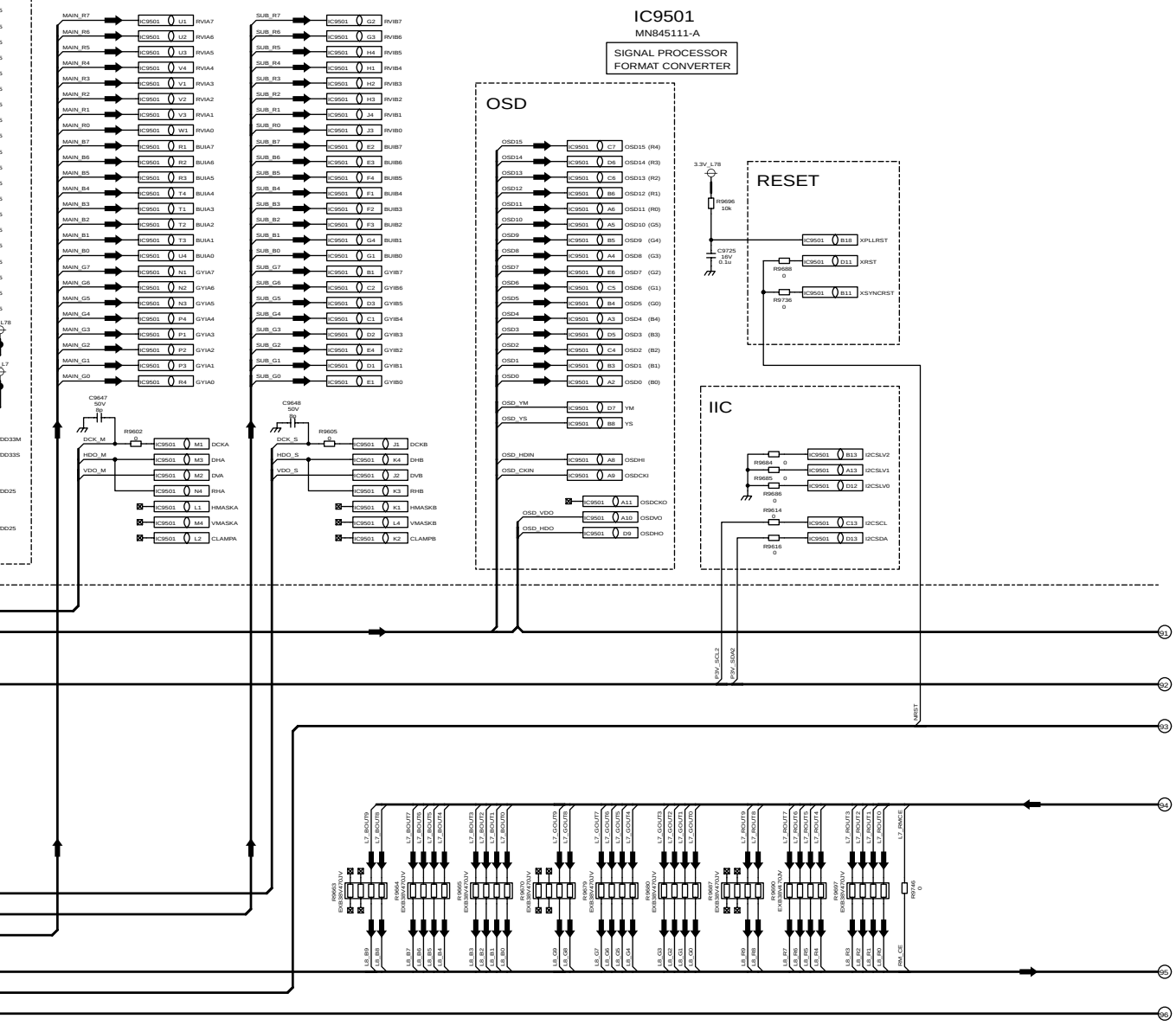
TH-42PHD8BK/BS/EK/ES
D-Board (9 of 12) Schematic Diagram

15.28. D-Board (10 of 12) Schematic Diagram



TH-42PHD8BK/BS/EK/ES
D-Board (10 of 12) Schematic Diagram

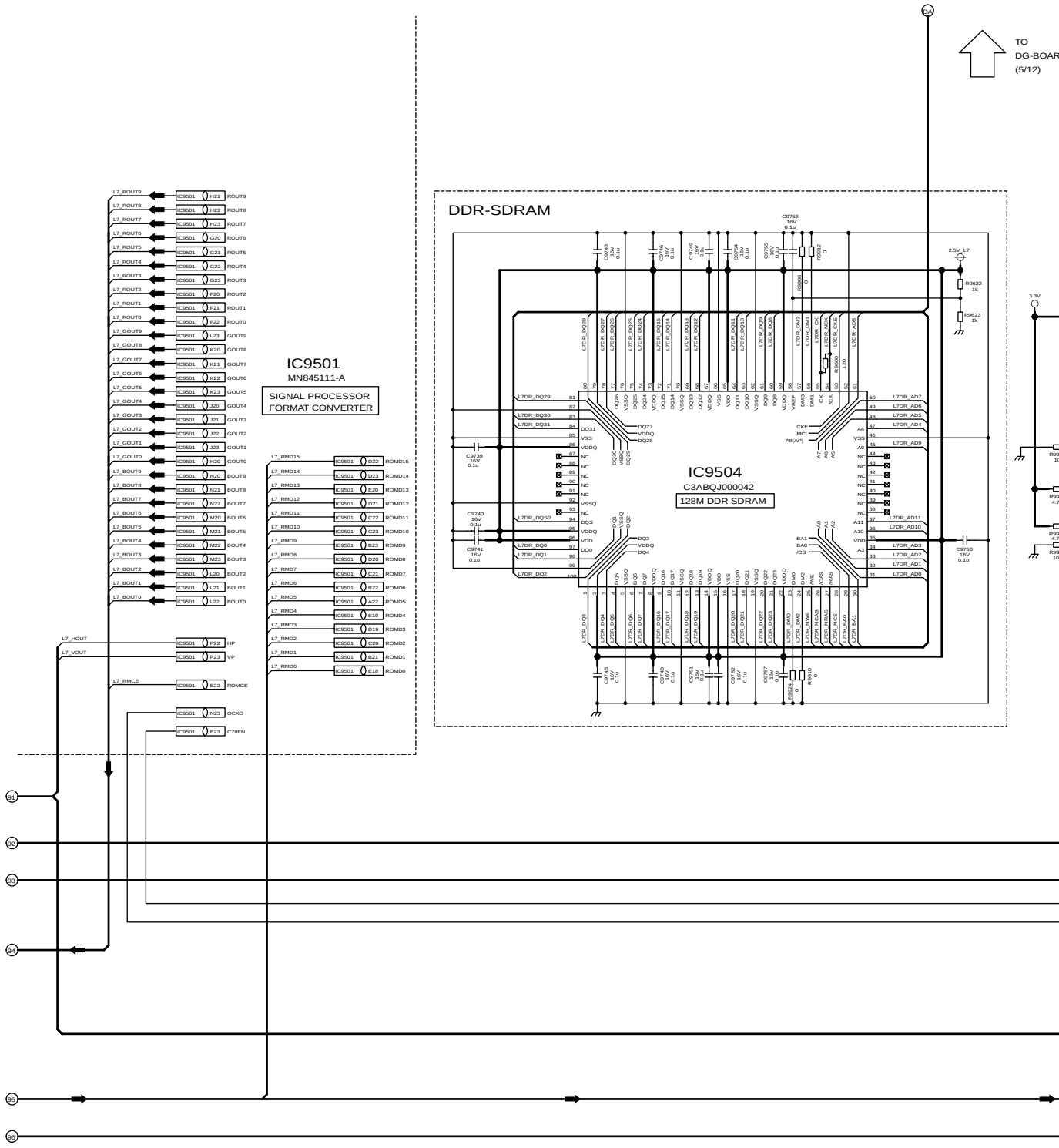
TO
DG-BOARD
(4/12)

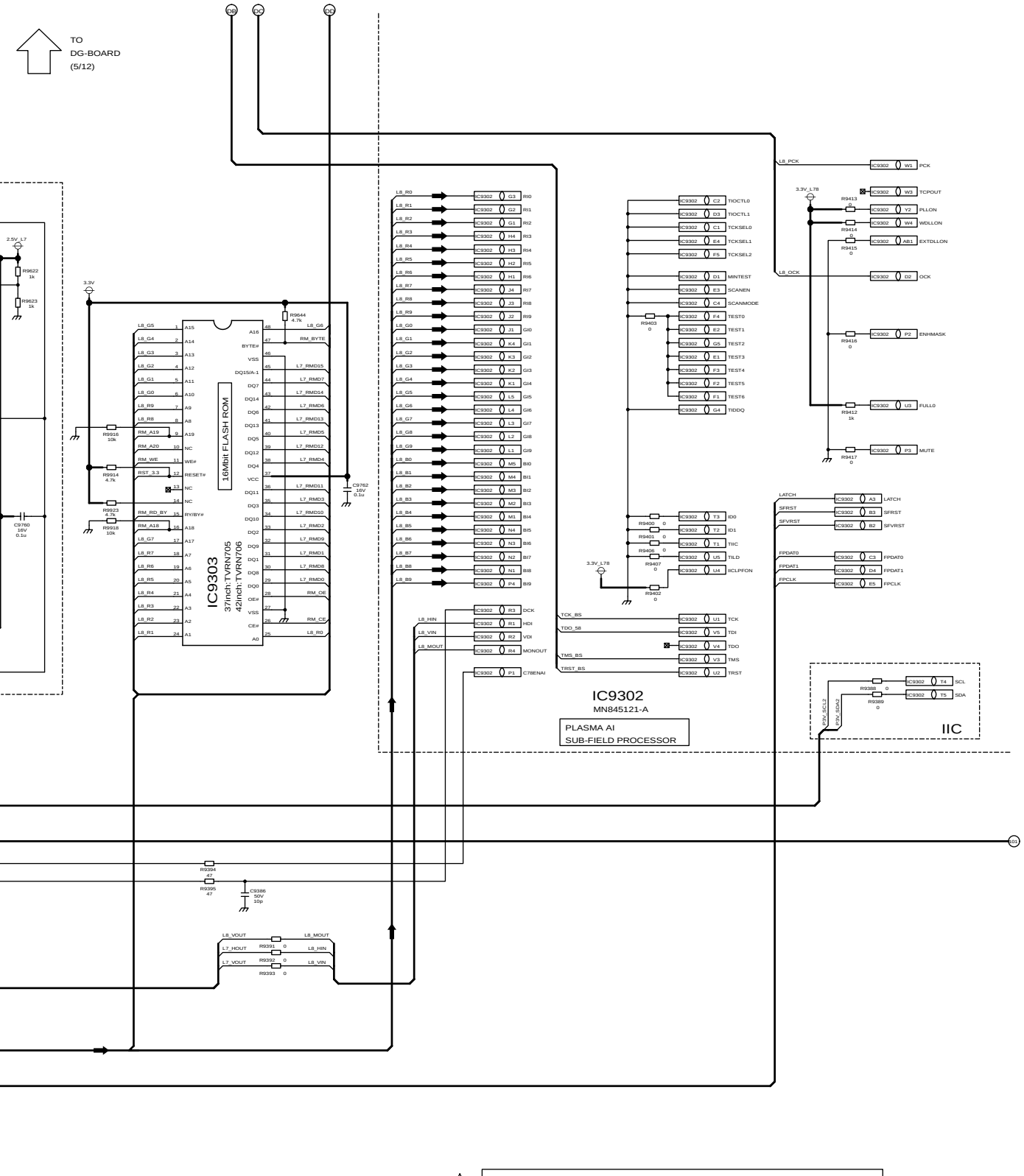


D-BOARD TZTNP01YQSE (10/12)

TH-42PHD8BK/BS/EK/ES
D-Board (10 of 12) Schematic Diagram

15.29. D-Board (11 of 12) Schematic Diagram

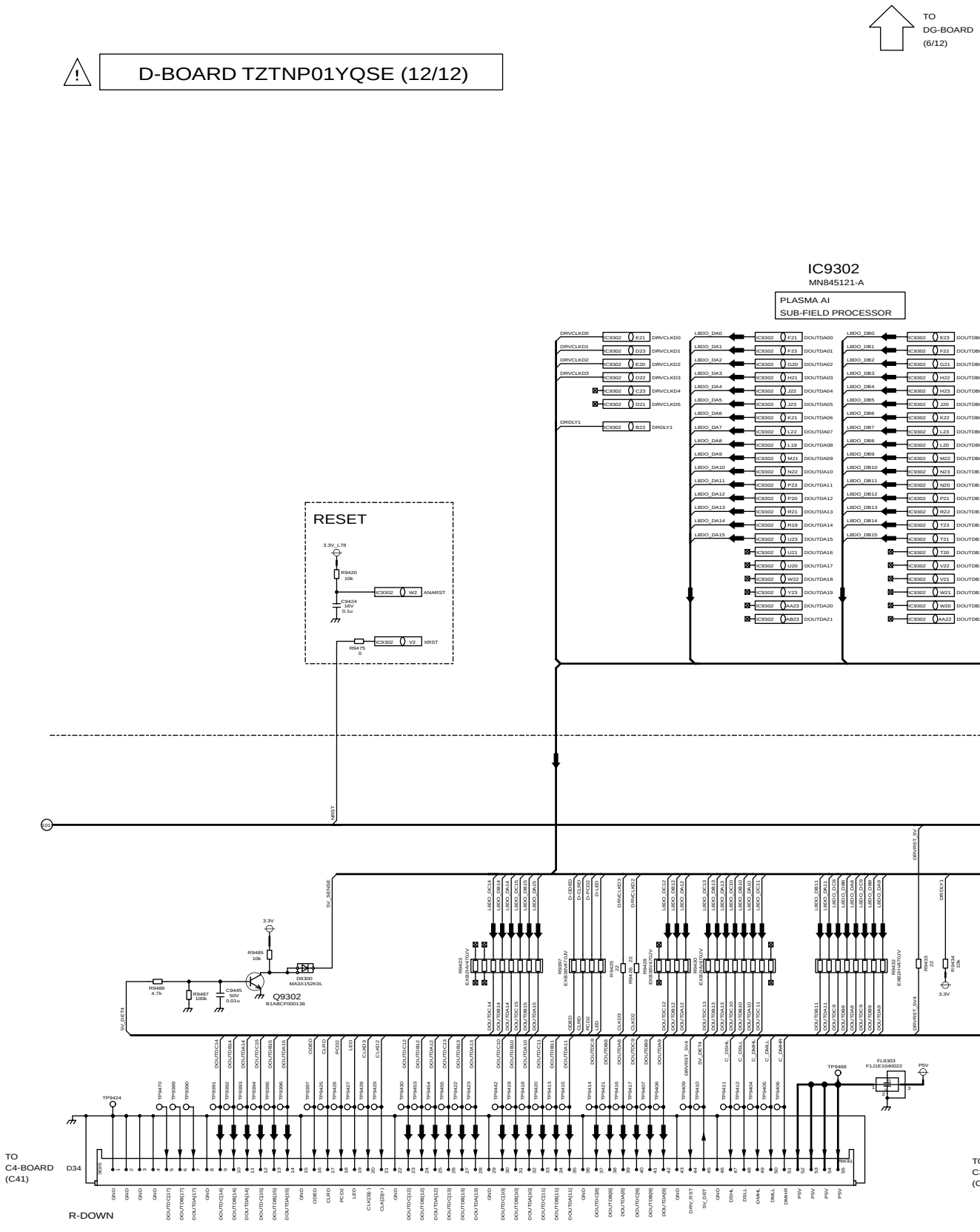




D-BOARD TZTNP01YQSE (11/12)

TH-42PHD8BK/BS/EK/ES
D-Board (11 of 12) Schematic Diagram

15.30. D-Board (12 of 12) Schematic Diagram

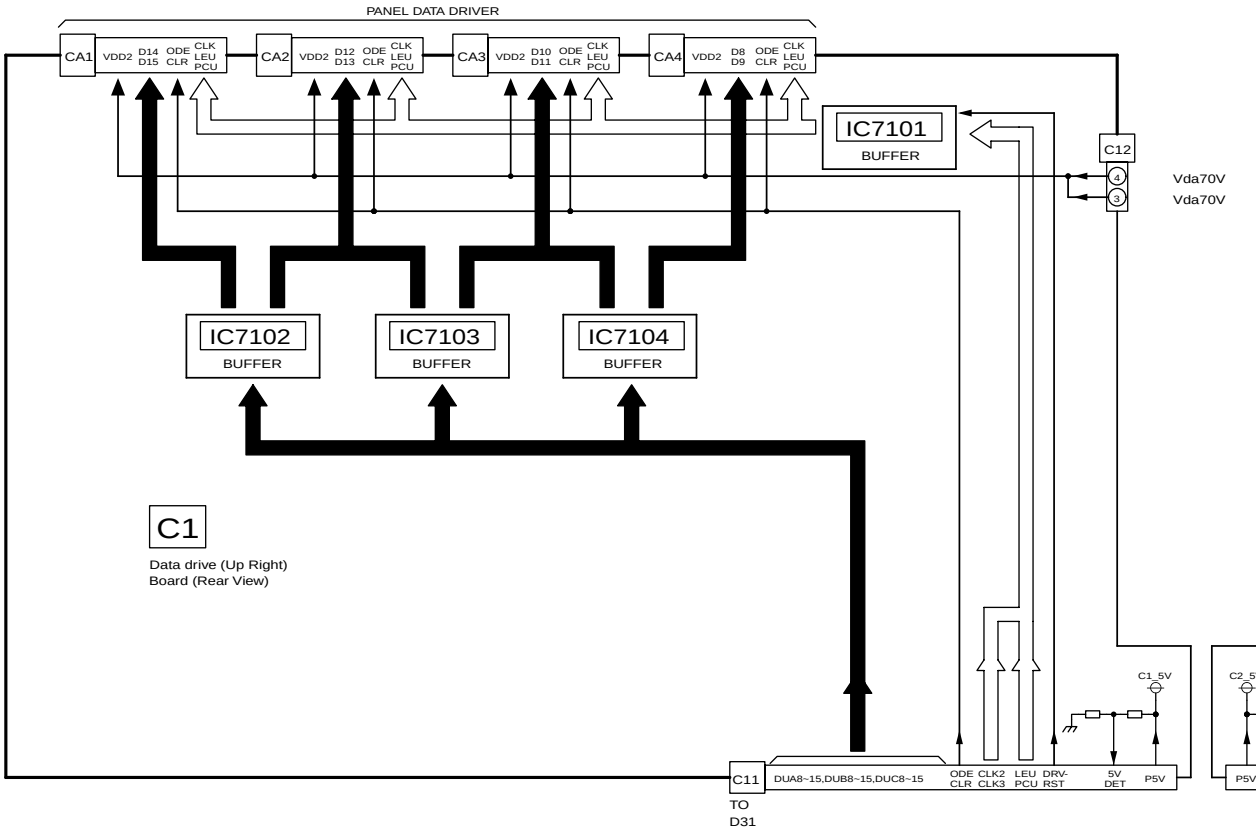


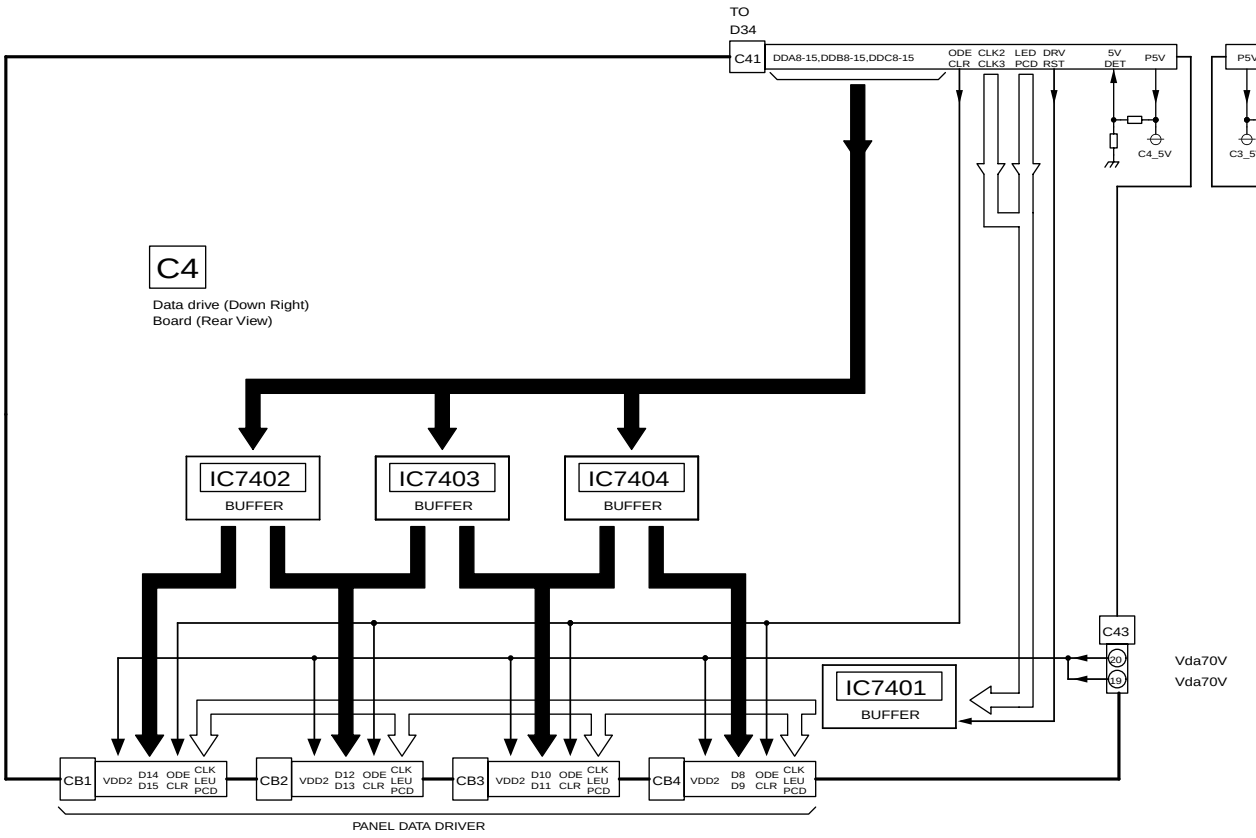
TH-42PHD8BK/BS/EK/ES
D-Board (12 of 12) Schematic Diagram

46	47	48	49	50

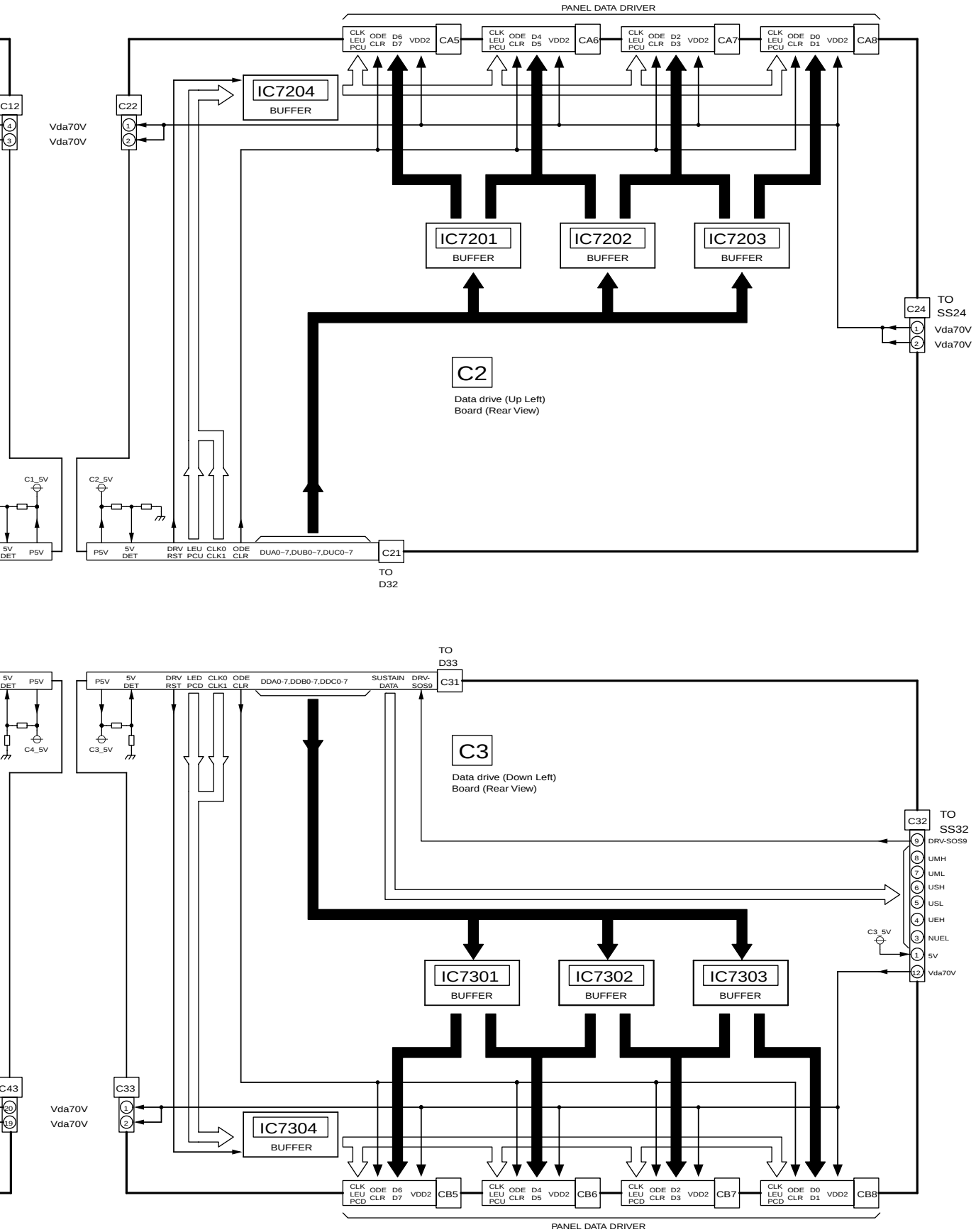
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C3ABQJ000042
128M DDR SDRAM
2.5V_L8
L8DR_DQ29
L8DR_DQ30
L8DR_DQ31
L8DR_DQ50
L8DR_DQ0
L8DR_DQ1
L8DR_DQ2
L8DR_AD7
L8DR_AD6
L8DR_AD5
L8DR_AD4
L8DR_AD9
L8DR_AD11
L8DR_AD10
L8DR_AD3
L8DR_AD2
L8DR_AD1
L8DR_AD0
L8DR_DQ3
L8DR_DQ4
L8DR_DQ5
L8DR_DQ6
L8DR_DQ7
L8DR_DQ16
L8DR_DQ17
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L8DR_DQ21
L8DR_DQ22
L8DR_DQ23
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L8DR_DM2
L8DR_NWE
L8DR_NCAS
L8DR_NRAS
L8DR_NCS
L8DR_BA0
L8DR_BA1
L8DR_CKE
L8DR_CK
L8DR_/CK
L8DR_DM1
L8DR_DM3
L8DR_DQ8
L8DR_DQ9
L8DR_DQ10
L8DR_DQ11
L8DR_DQ12
L8DR_DQ13
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L8DR_DQ26
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L8DR_DQ28
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L8DR_DM1
L8DR_DM2
L8DR_DM3
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L8DR_DQS2
L8DR_DQS3
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L8DR_DQS2
L8DR_DQS3
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L8DR_DQ4
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L8DR_DQ9
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L8DR_DQ25
L8DR_DQ26
L8DR_DQ27
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L8DR_DQ30
L8DR_DQ31
L8DR_DQ50

15.31. C1, C2, C3 and C4-Board Block Diagram



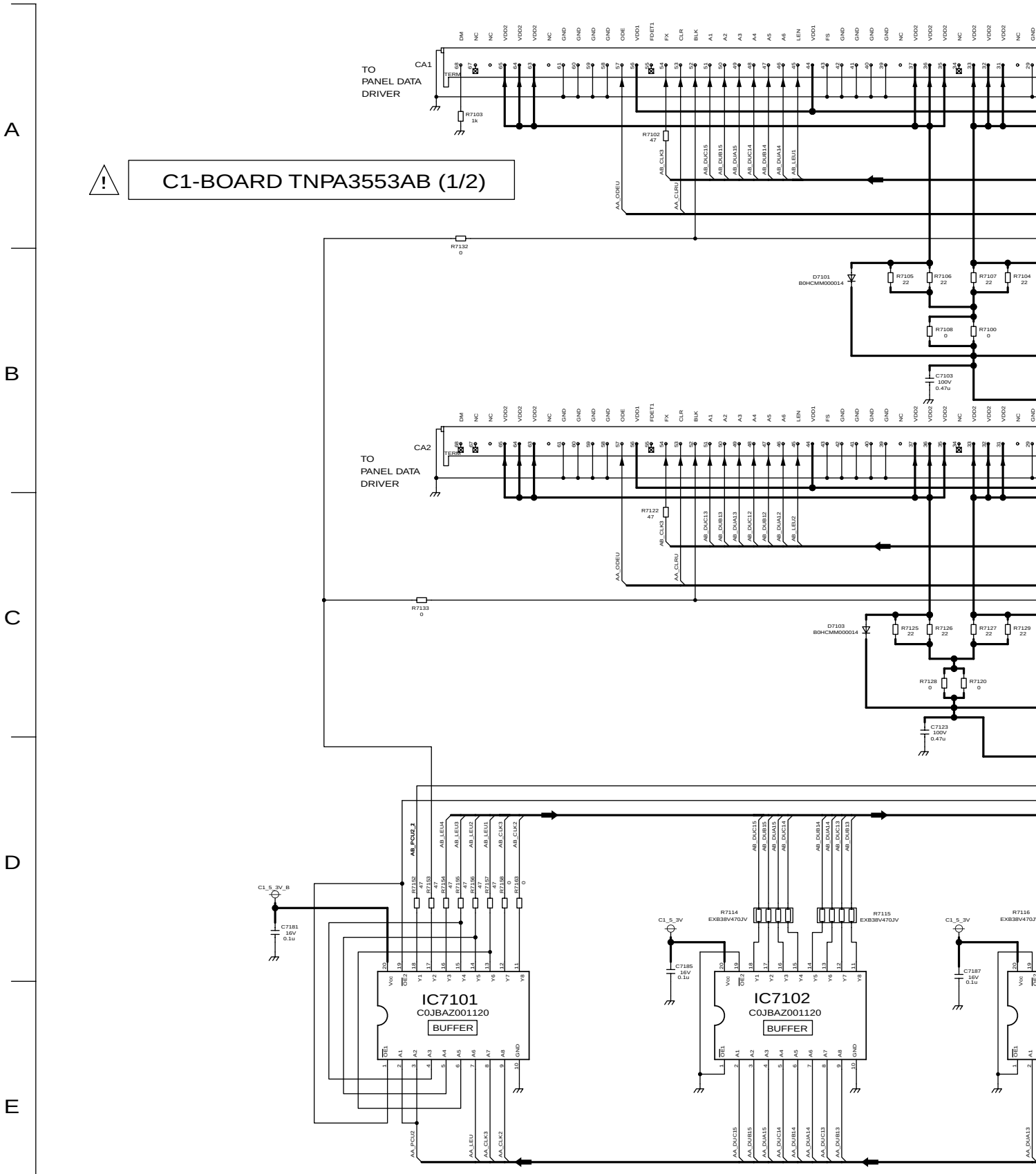


TH-42PHD8BK/BS/EK/ES
C1, C2, C3 and C4-Board Block Diagram

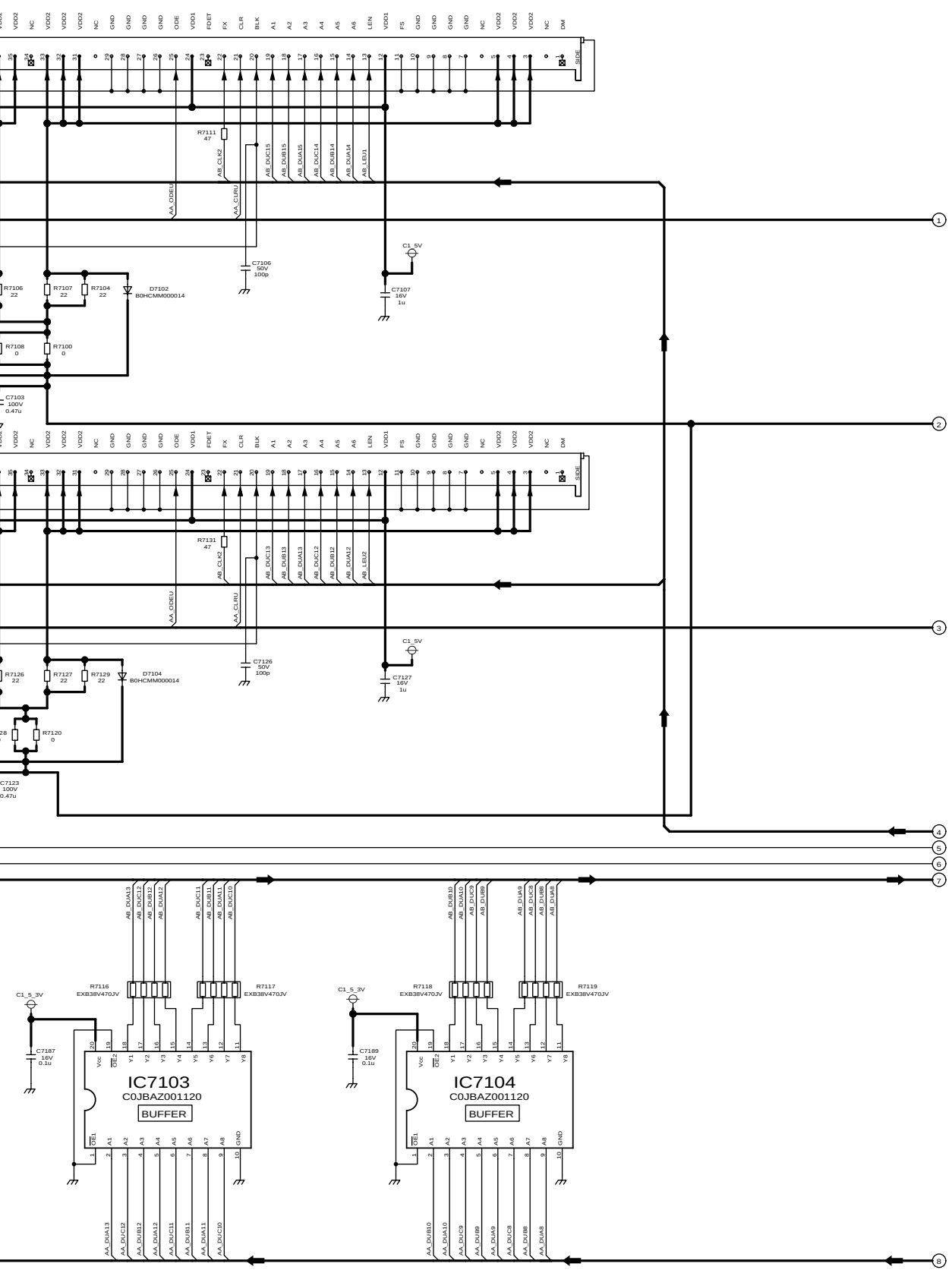


TH-42PHD8BK/BS/EK/ES
C1, C2, C3 and C4-Board Block Diagram

15.32. C1-Board (1 of 2) Schematic Diagram



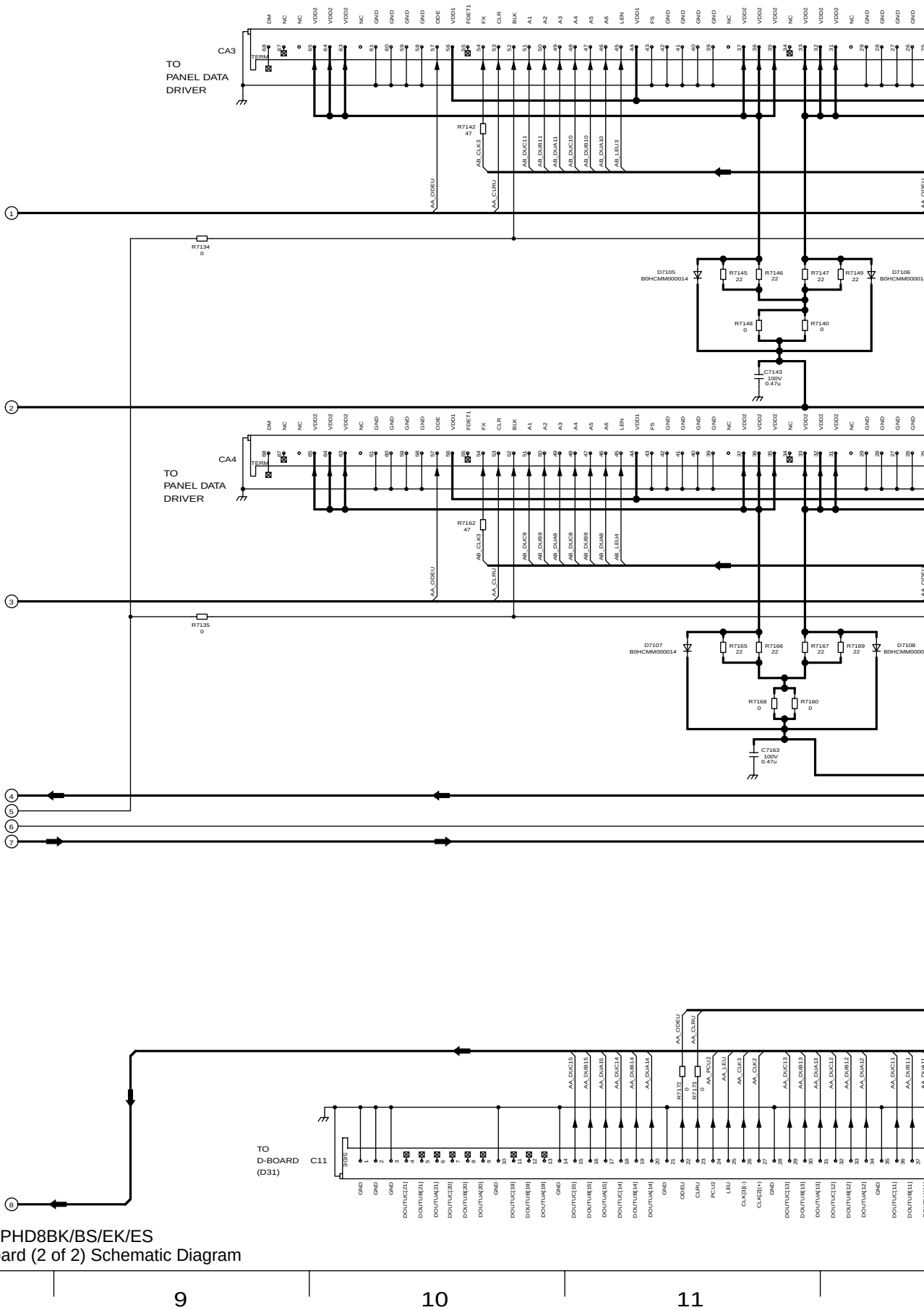
TH-42PHD8BK/BS/EK/ES
C1-Board (1 of 2) Schematic Diagram



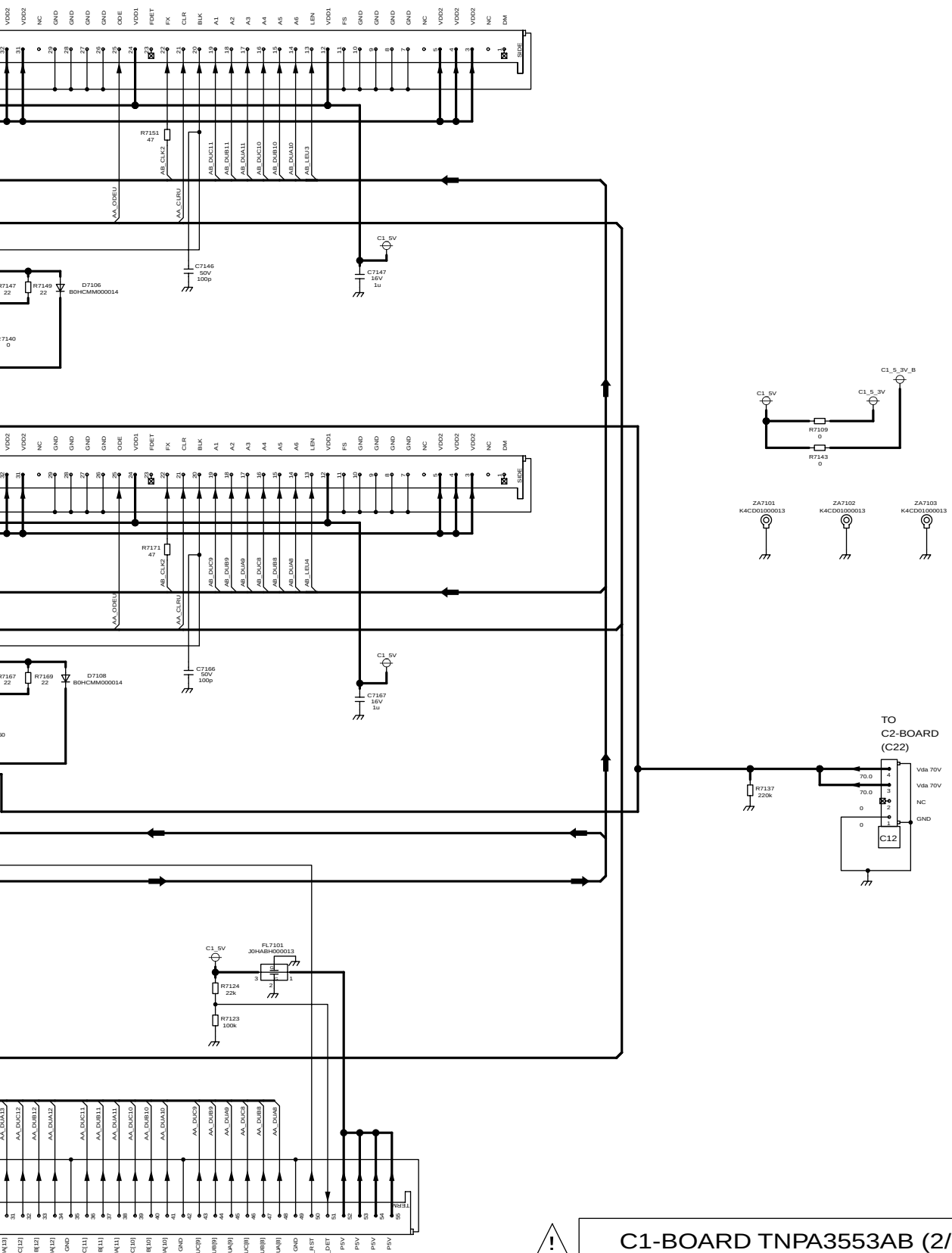
TH-42PHD8BK/BS/EK/ES
C1-Board (1 of 2) Schematic Diagram

5 6 7 8

15.33. C1-Board (2 of 2) Schematic Diagram



TH-42PHD8BK/BS/EK/ES
C1-Board (2 of 2) Schematic Diagram

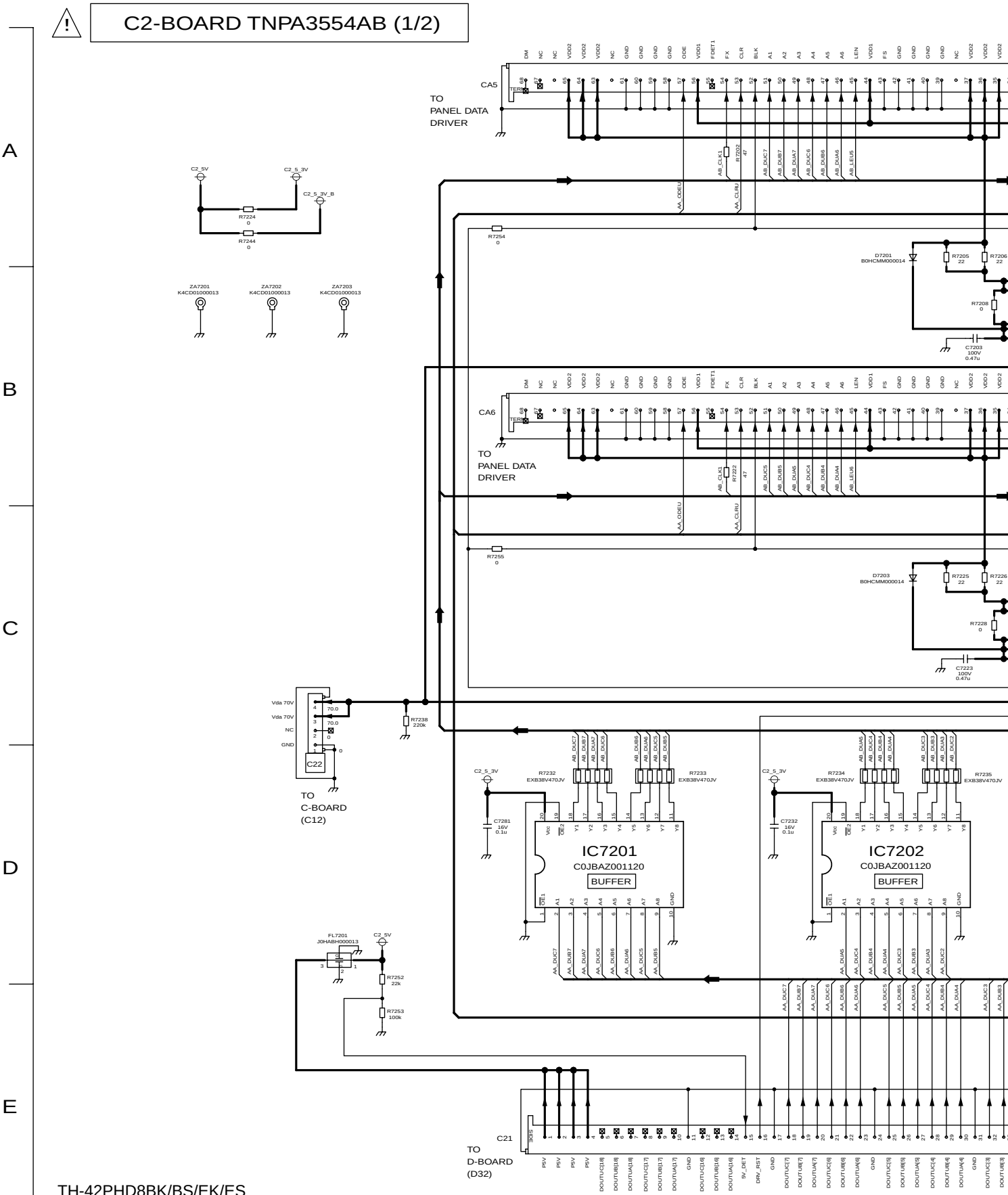


C1-BOARD TNPA3553AB (2/2)

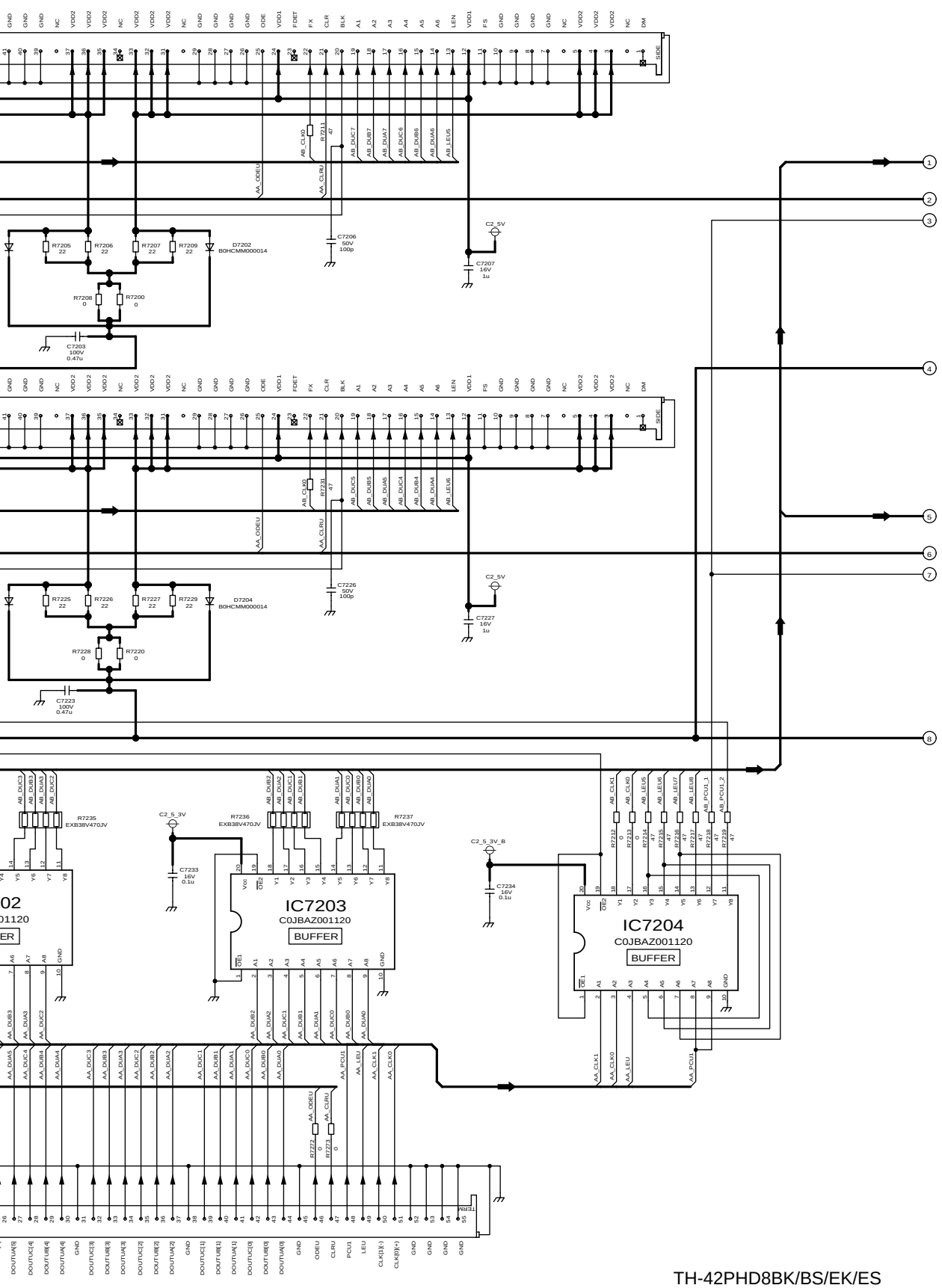
TH-42PHD8BK/BS/EK/ES
C1-Board (2 of 2) Schematic Diagram

12 13 14 15

15.34. C2-Board (1 of 2) Schematic Diagram

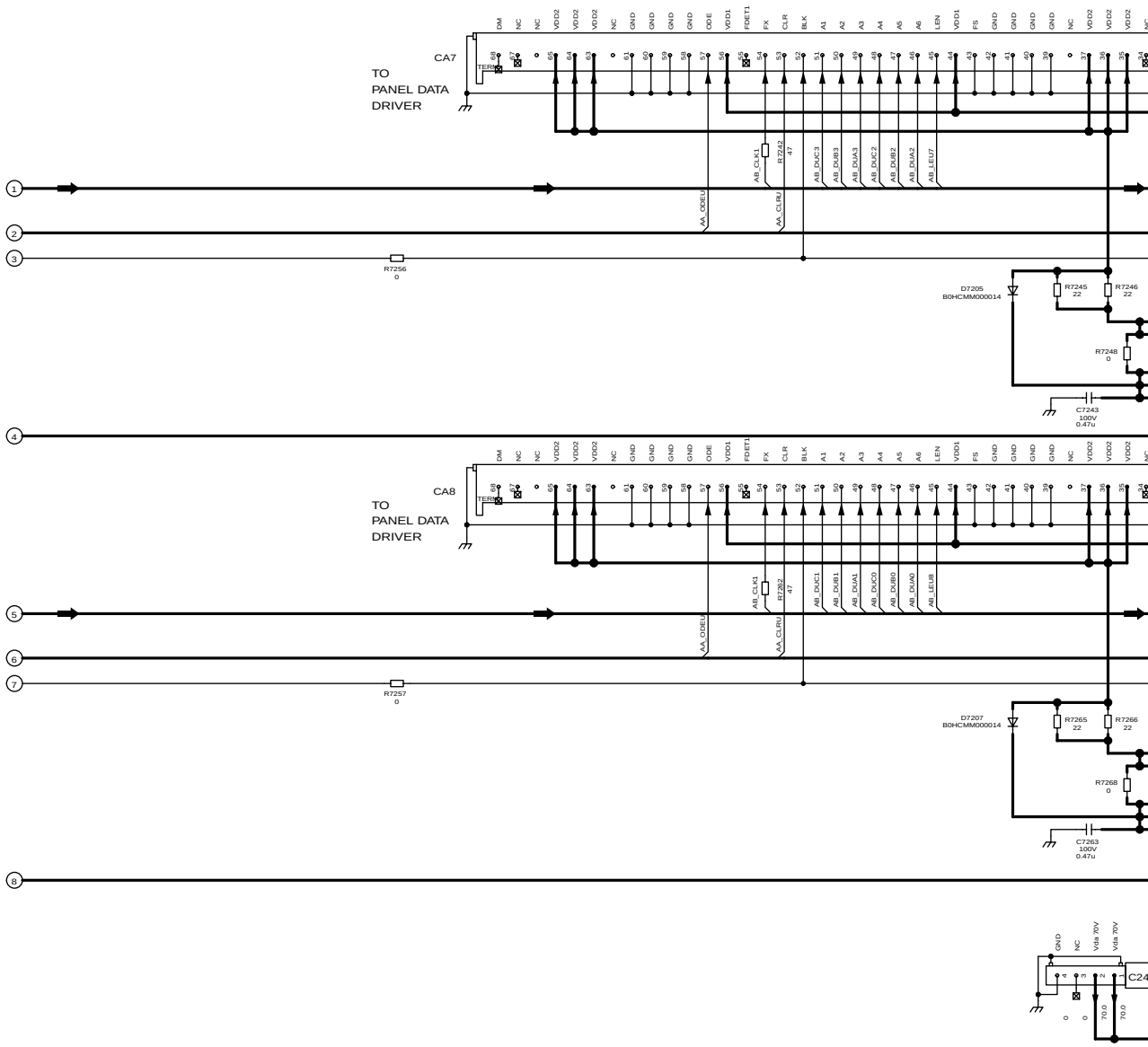


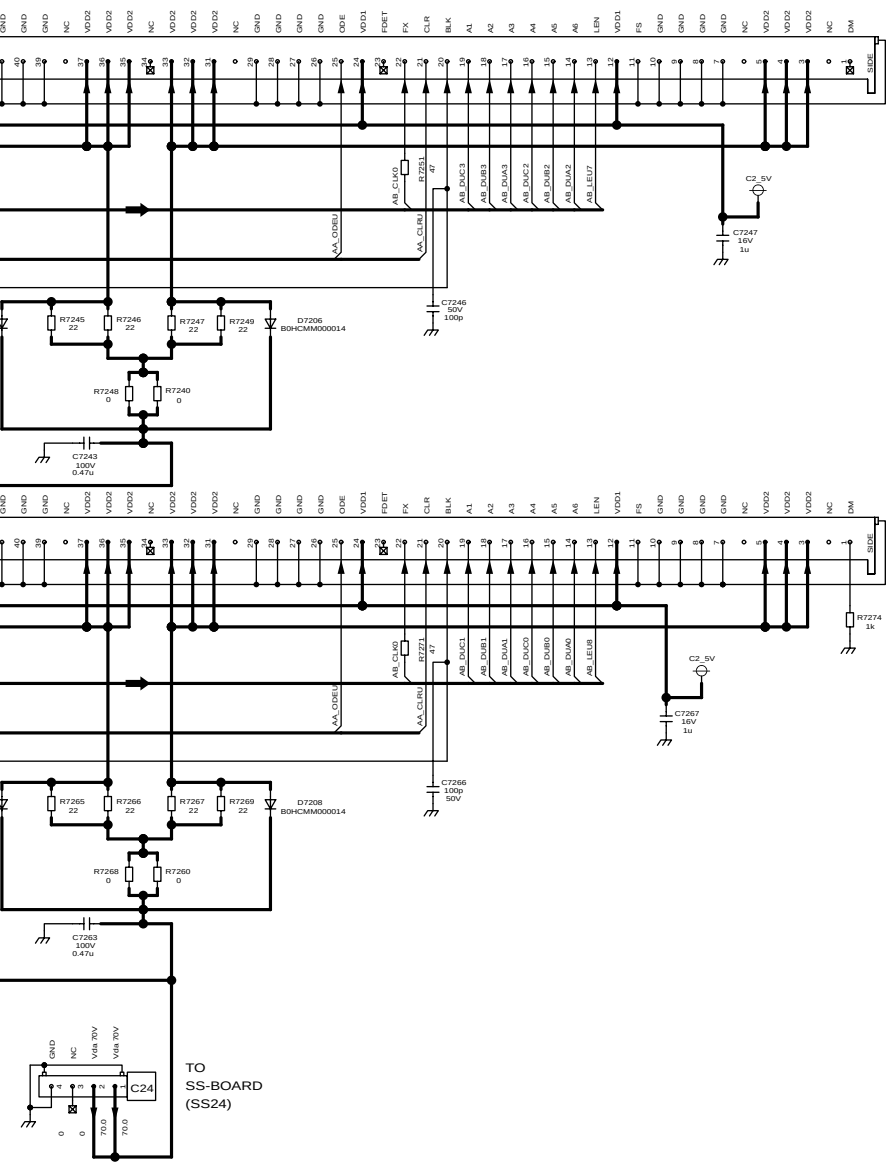
TH-42PHD8BK/BS/EK/ES
C2-Board (1 of 2) Schematic Diagram



TH-42PHD8BK/BS/EK/ES
C2-Board (1 of 2) Schematic Diagram

15.35. C2-Board (2 of 2) Schematic Diagram

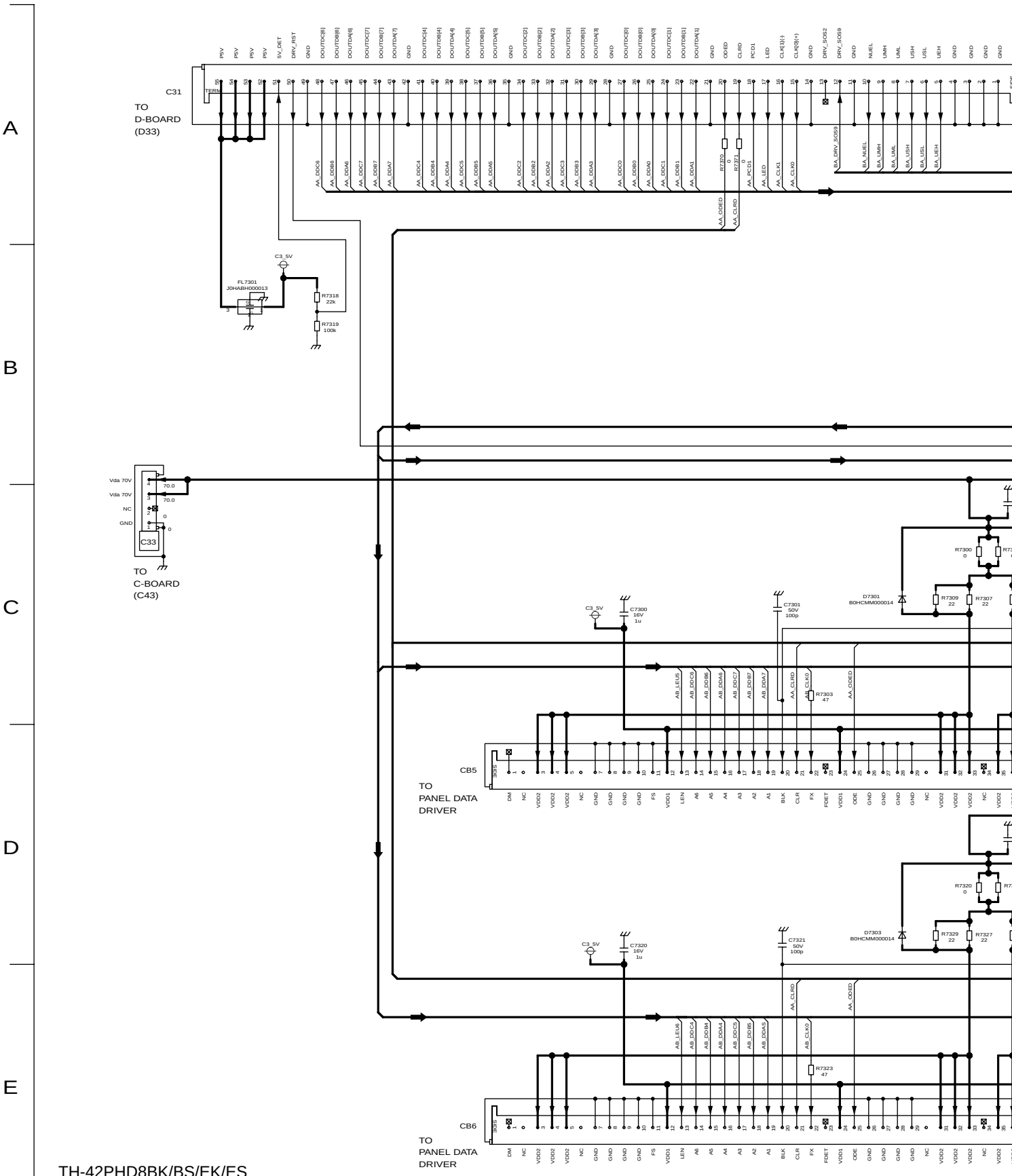




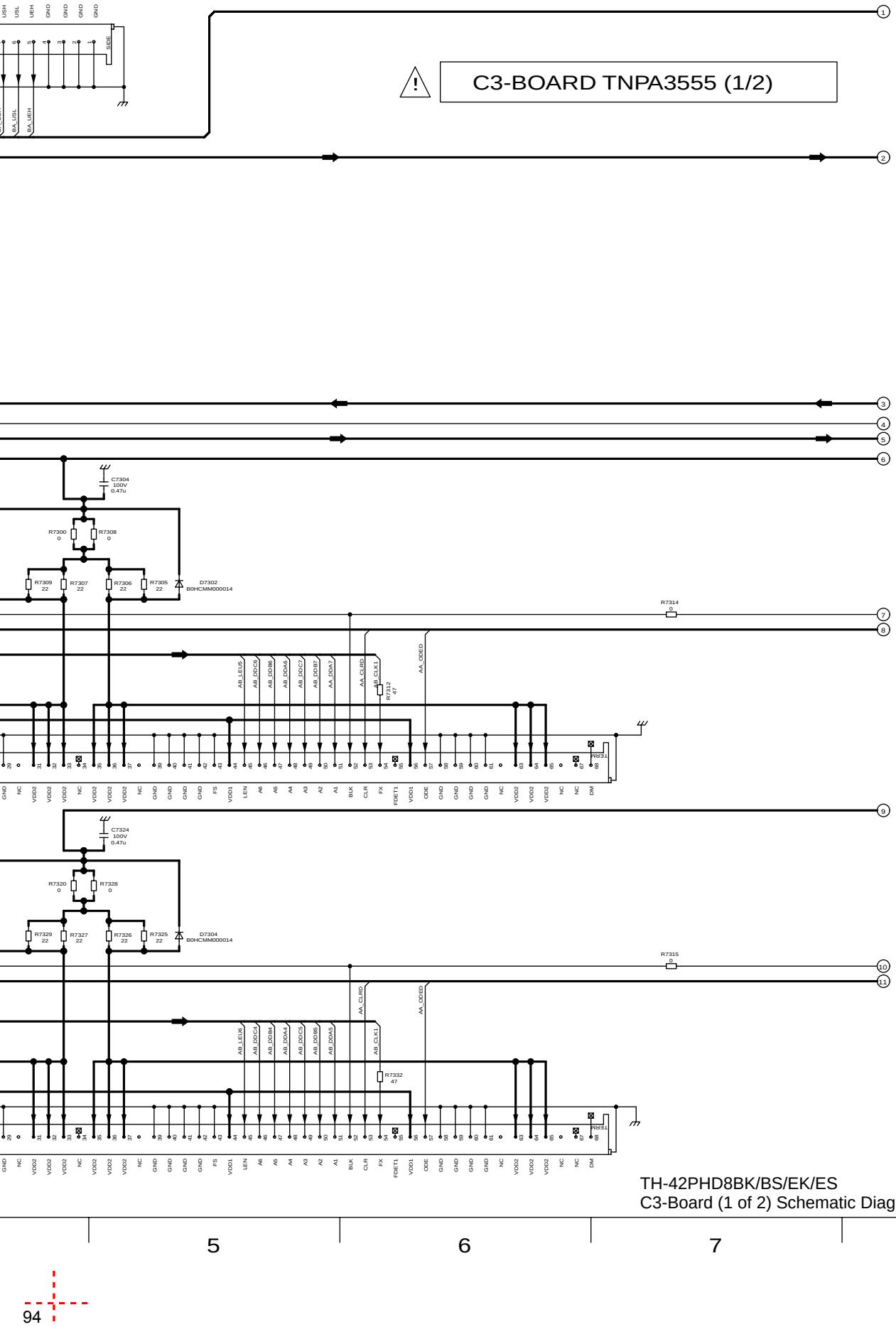
C2-BOARD TNPA3554AB (2/2)

TH-42PHD8BK/BS/EK/ES
C2-Board (2 of 2) Schematic Diagram

15.36. C3-Board (1 of 2) Schematic Diagram



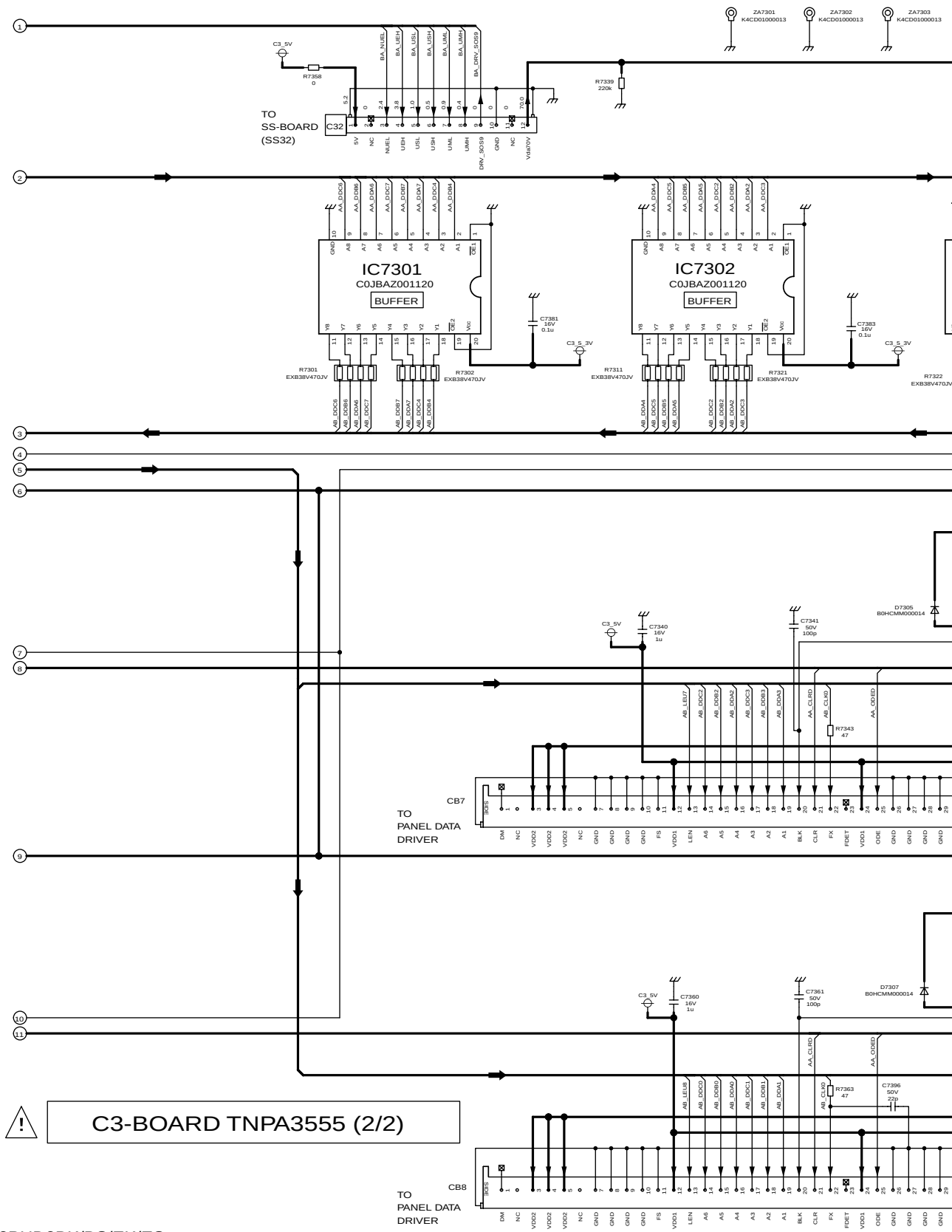
TH-42PHD8BK/BS/EK/ES
C3-Board (1 of 2) Schematic Diagram



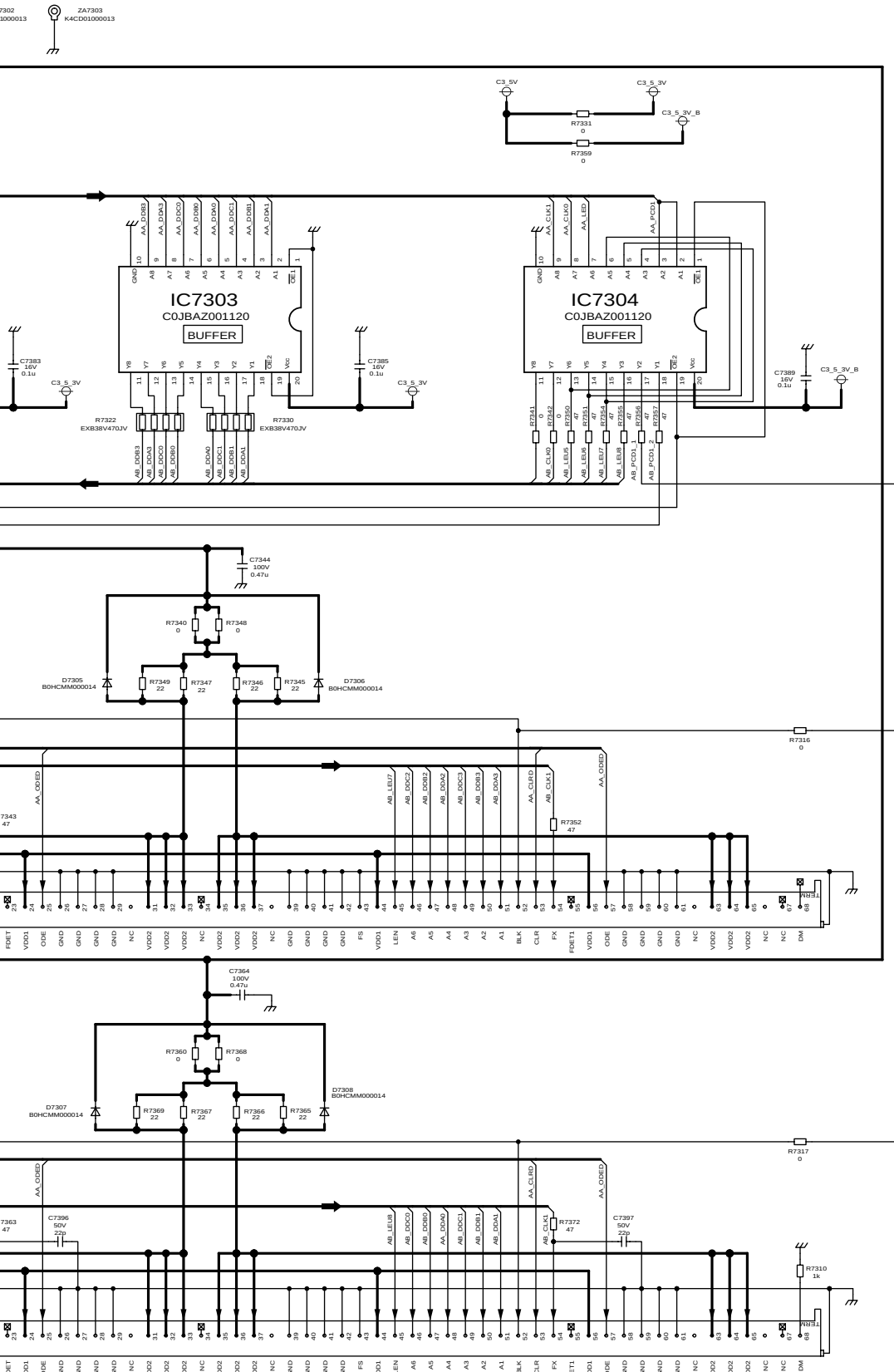
TH-42PHD8BK/BS/EK/ES
C3-Board (1 of 2) Schematic Diagram

5 6 7 8

15.37. C3-Board (2 of 2) Schematic Diagram



TH-42PHD8BK/BS/EK/ES
C3-Board (2 of 2) Schematic Diagram

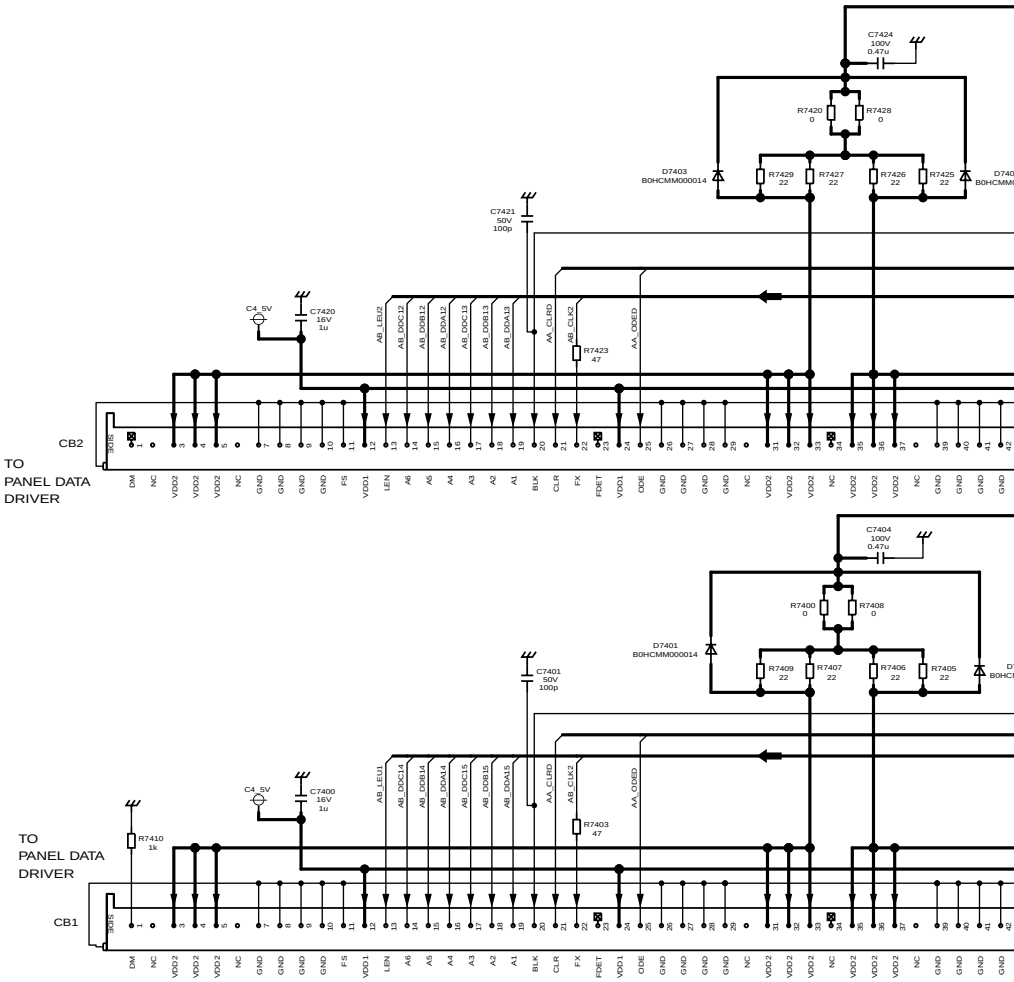


TH-42PHD8BK/BS/EK/ES
C3-Board (2 of 2) Schematic Diagram

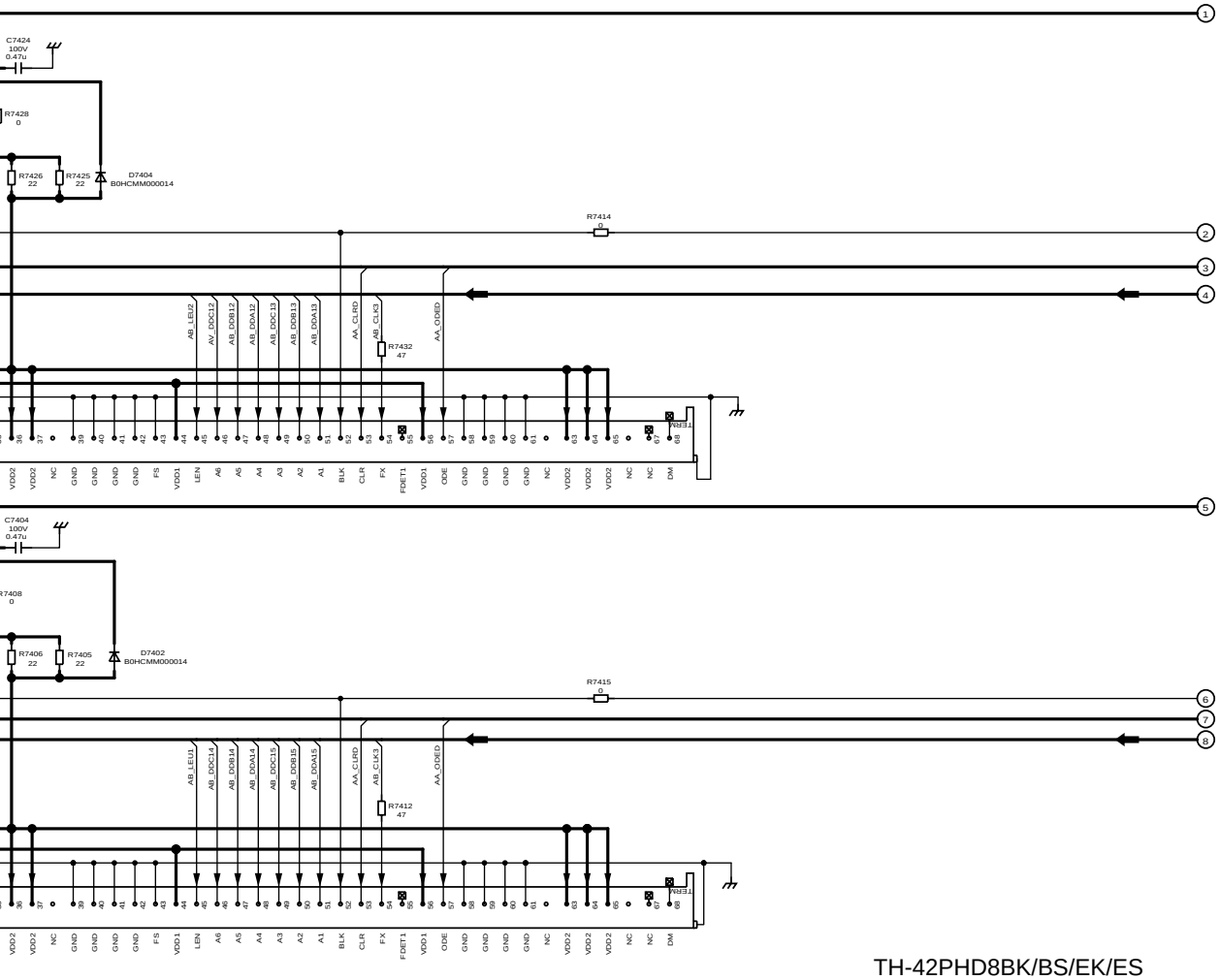
12 13 14 15

15.38. C4-Board (1 of 2) Schematic Diagram

C4-BOARD TNPA3556 (1/2)



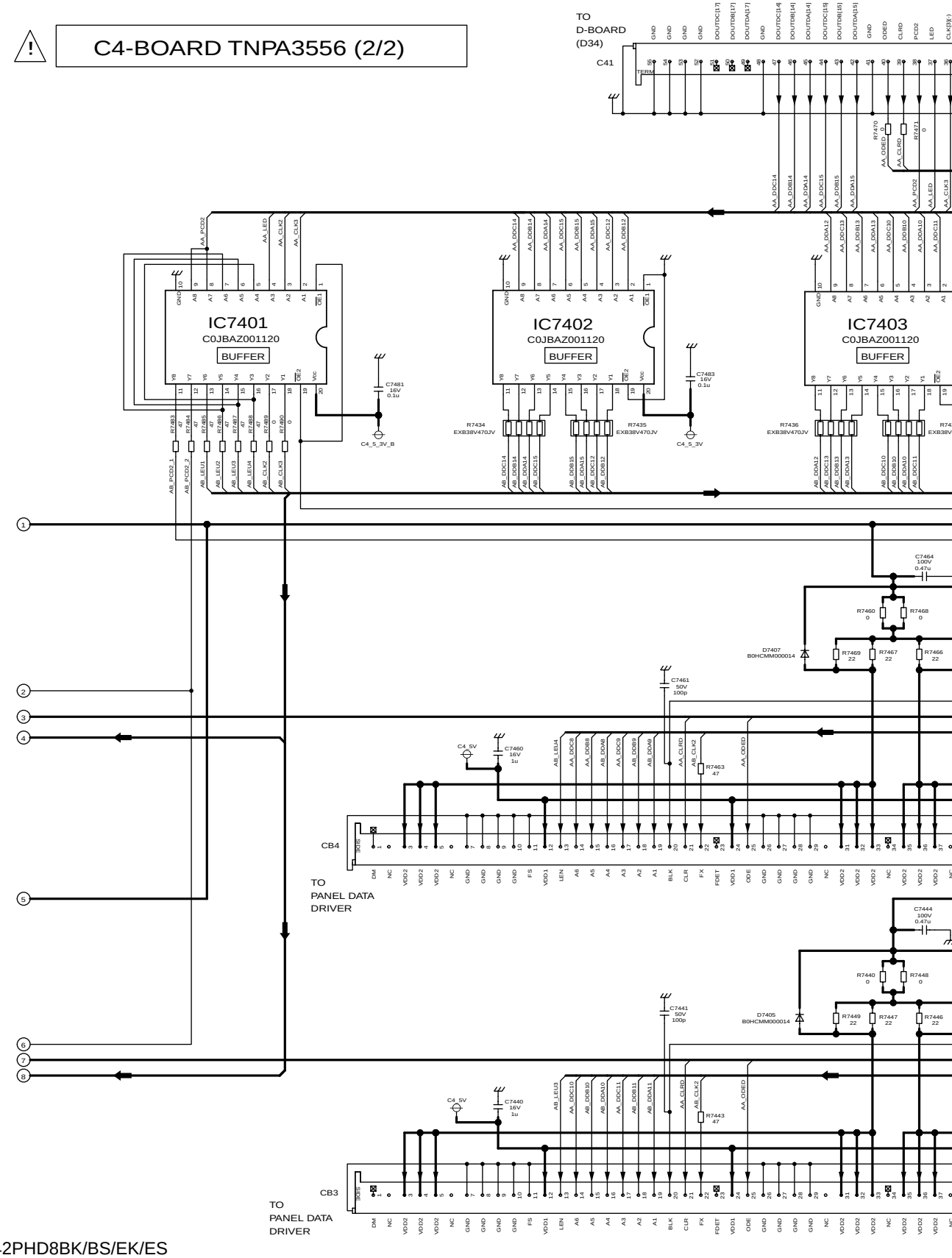
TH-42PHD8BK/BS/EK/ES
C4-Board (1 of 2) Schematic Diagram



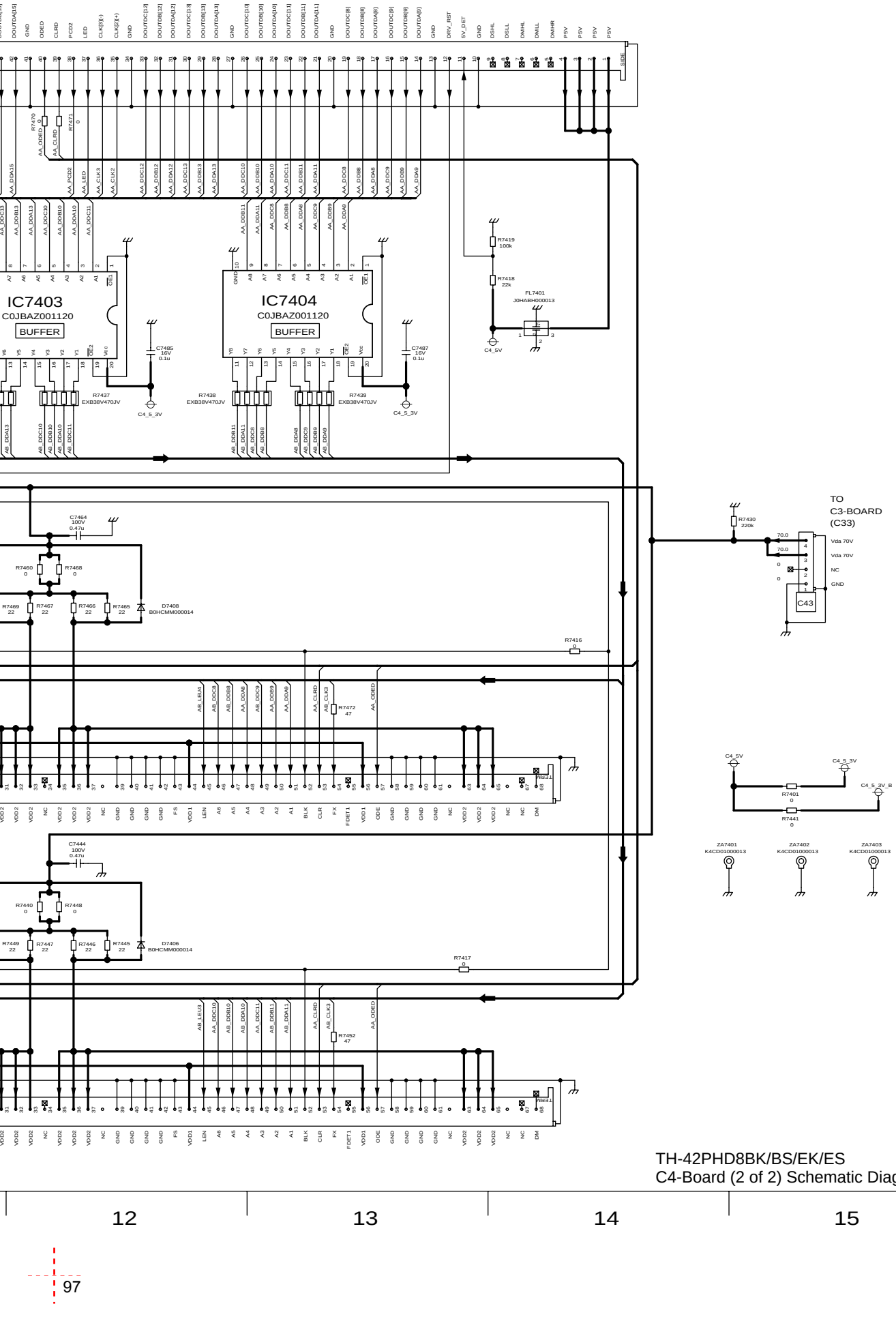
TH-42PHD8BK/BS/EK/ES
C4-Board (1 of 2) Schematic Diagram

5 6 7 8

15.39. C4-Board (2 of 2) Schematic Diagram

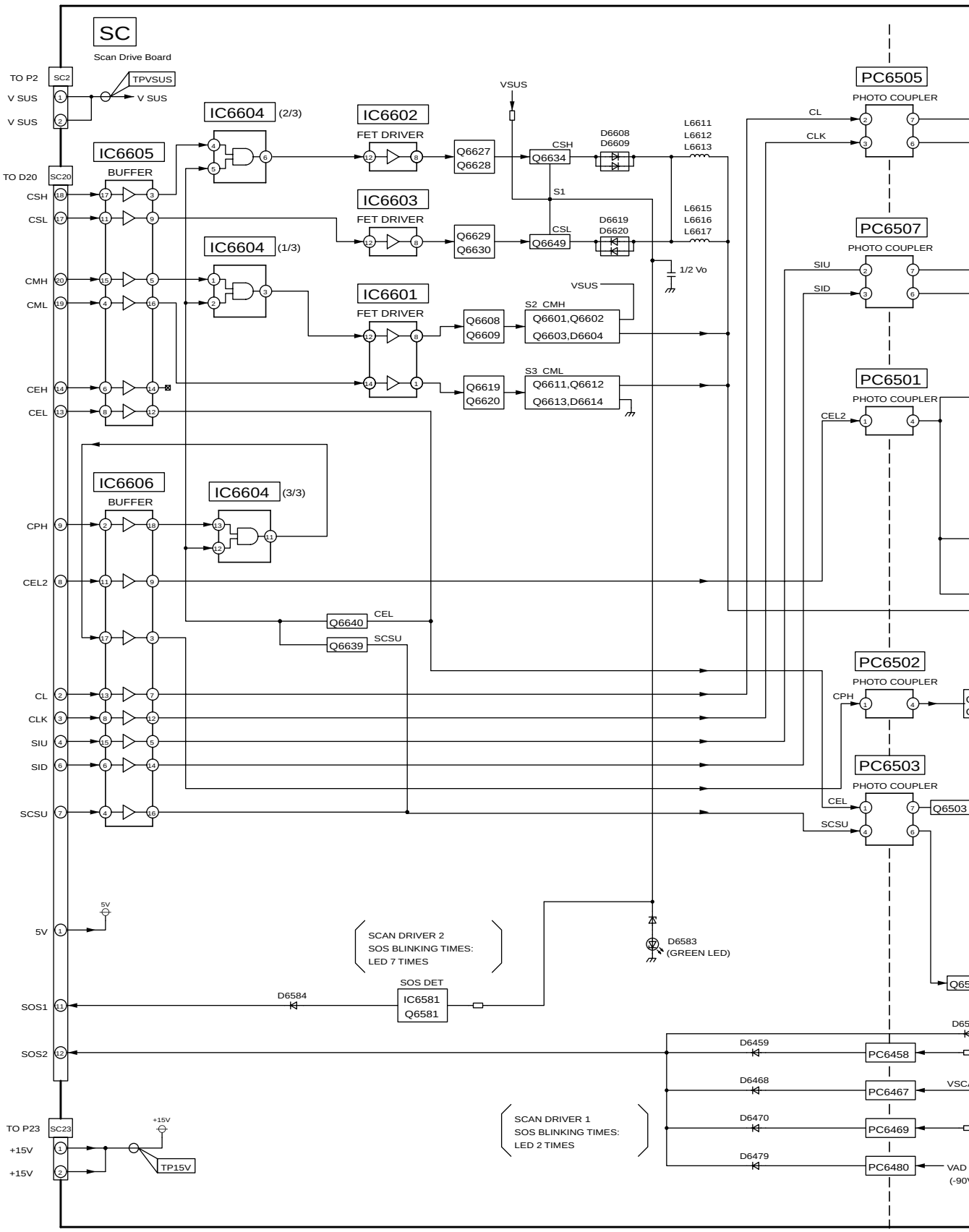


TH-42PHD8BK/BS/EK/ES
C4-Board (2 of 2) Schematic Diagram

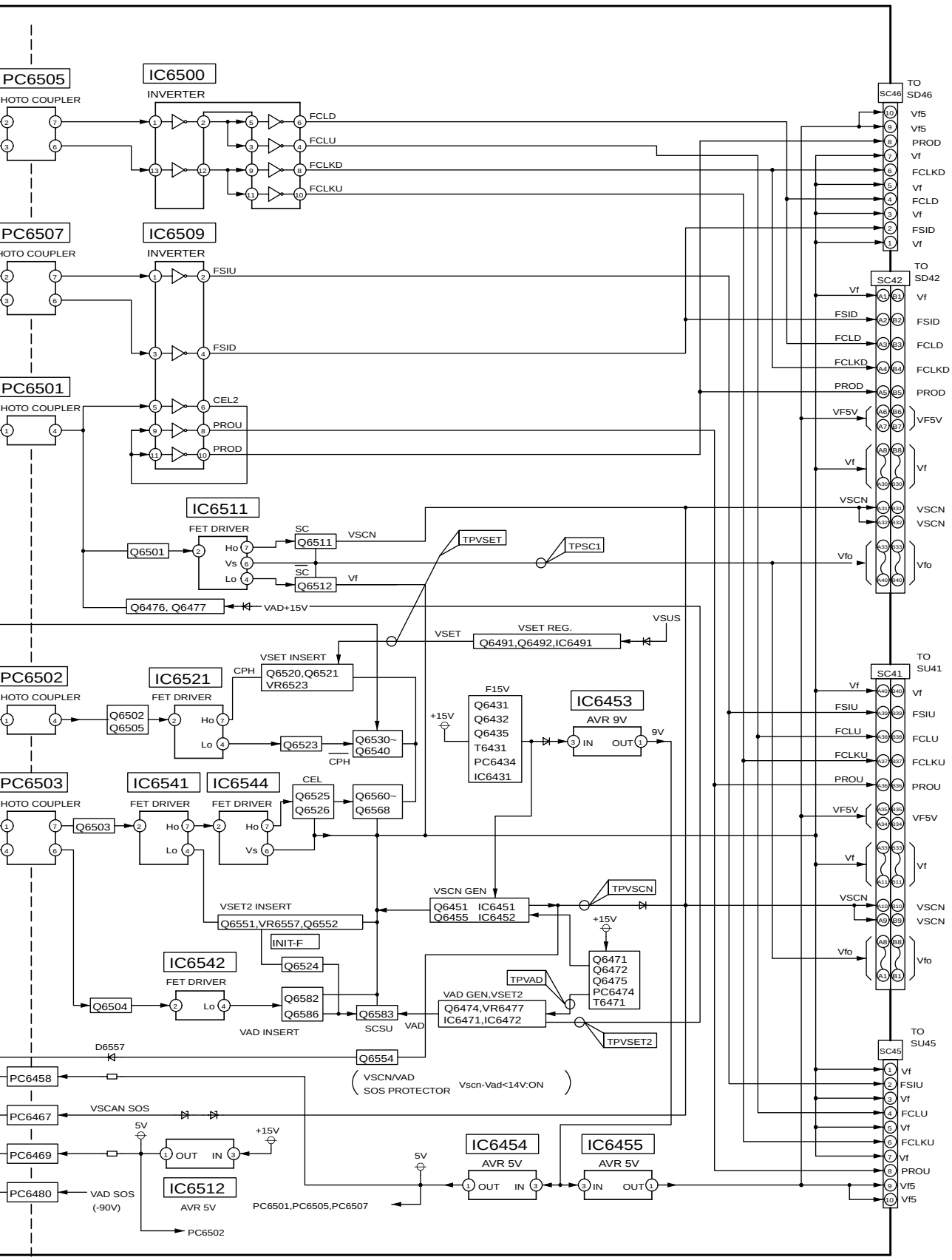


TH-42PHD8BK/BS/EK/ES
C4-Board (2 of 2) Schematic Diagram

15.40. SC-Board Block Diagram

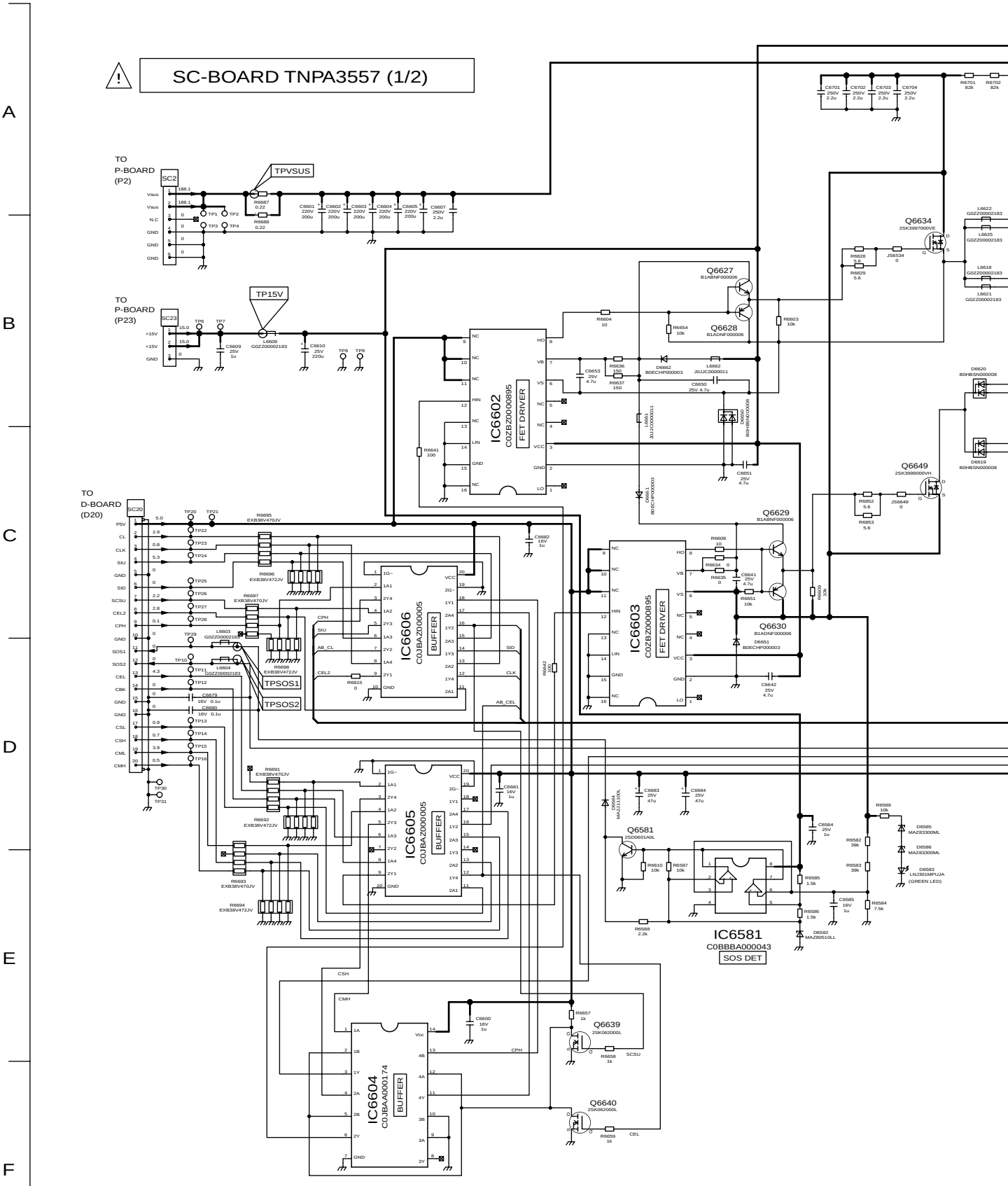


TH-42PHD8BK/BS/EK/ES
SC-Board Block Diagram

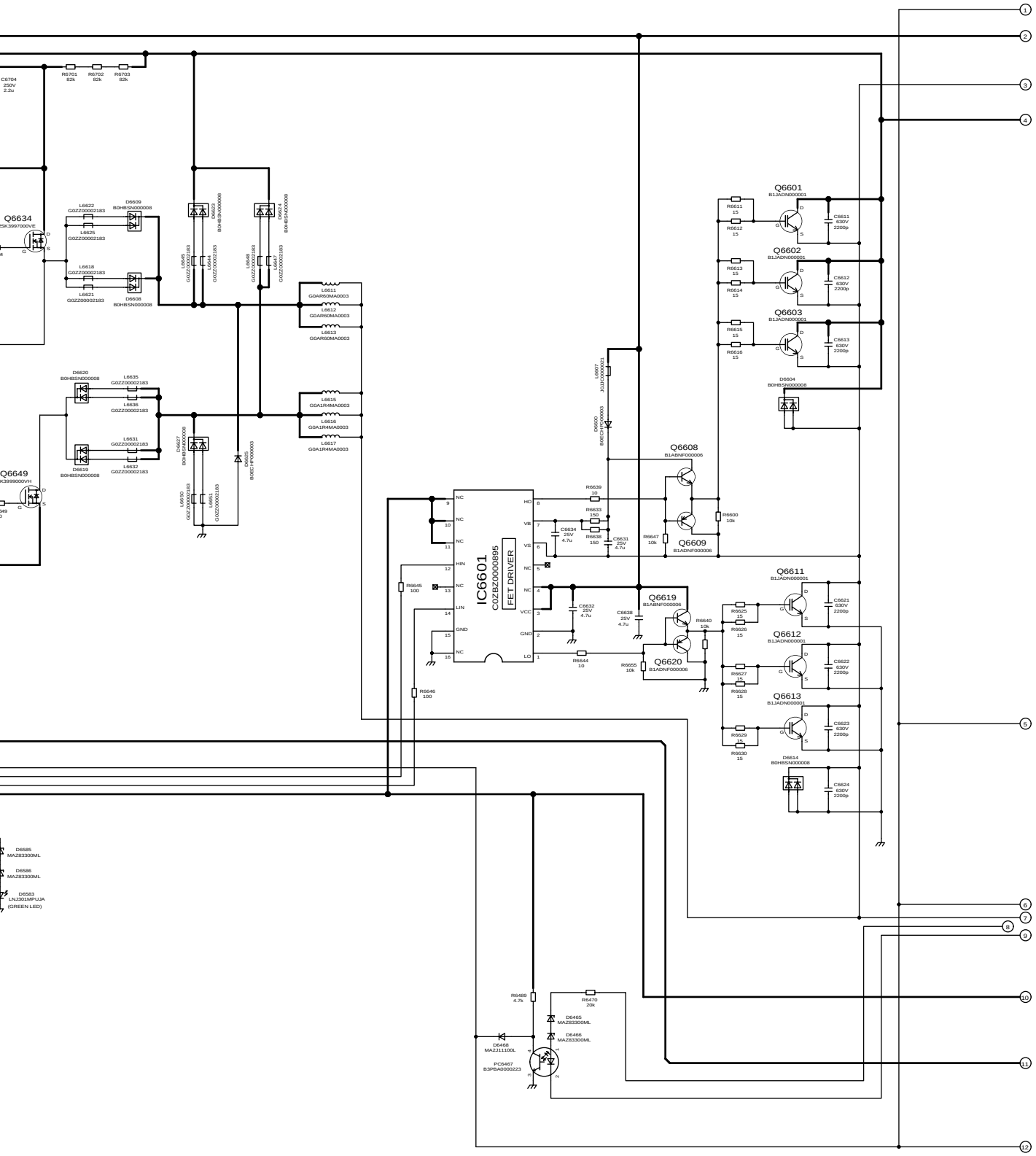


TH-42PHD8BK/BS/EK/ES
SC-Board Block Diagram

15.41. SC-Board (1 of 2) Schematic Diagram

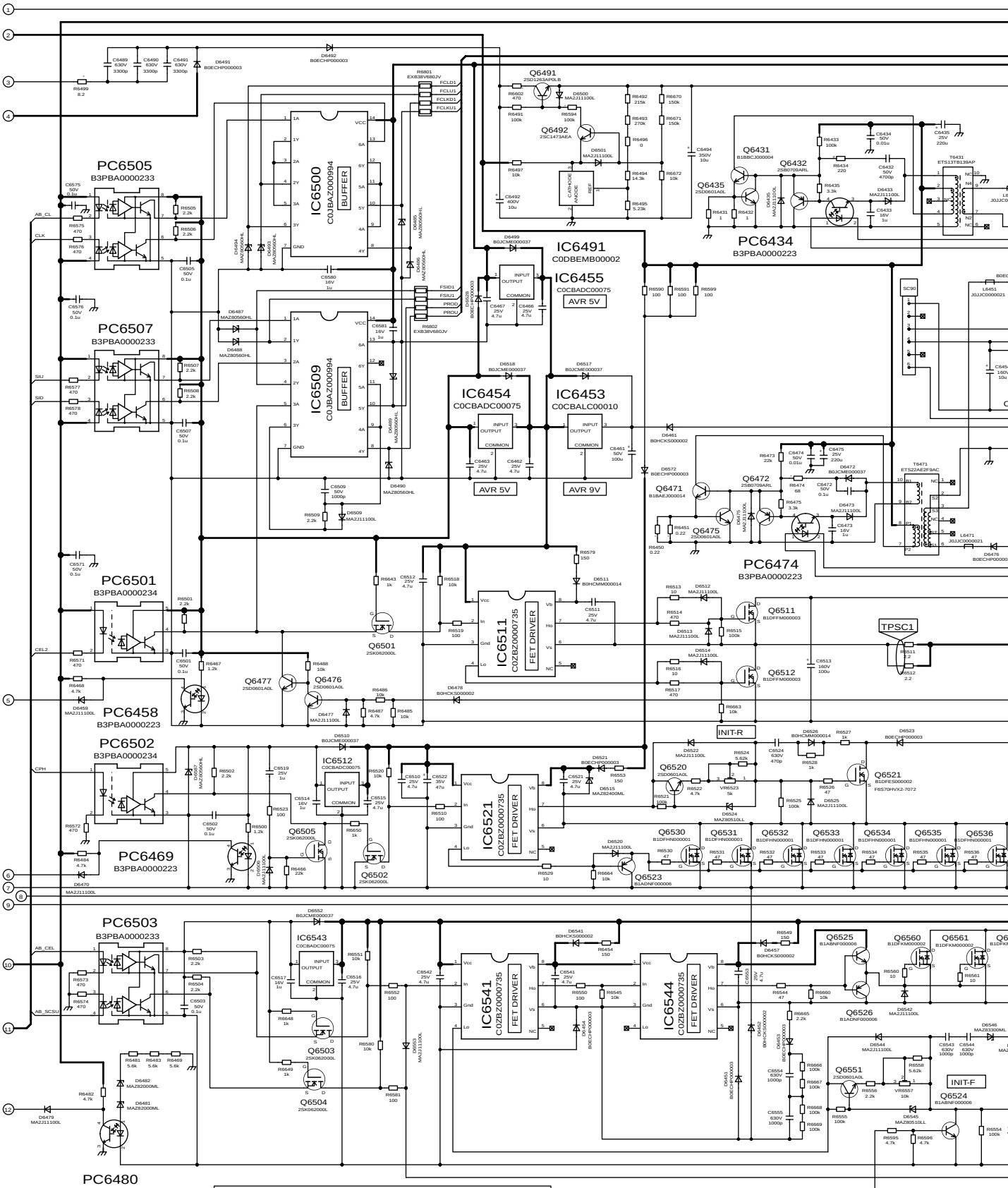


TH-42PHD8BK/BS/EK/ES
SC-Board (1 of 2) Schematic Diagram

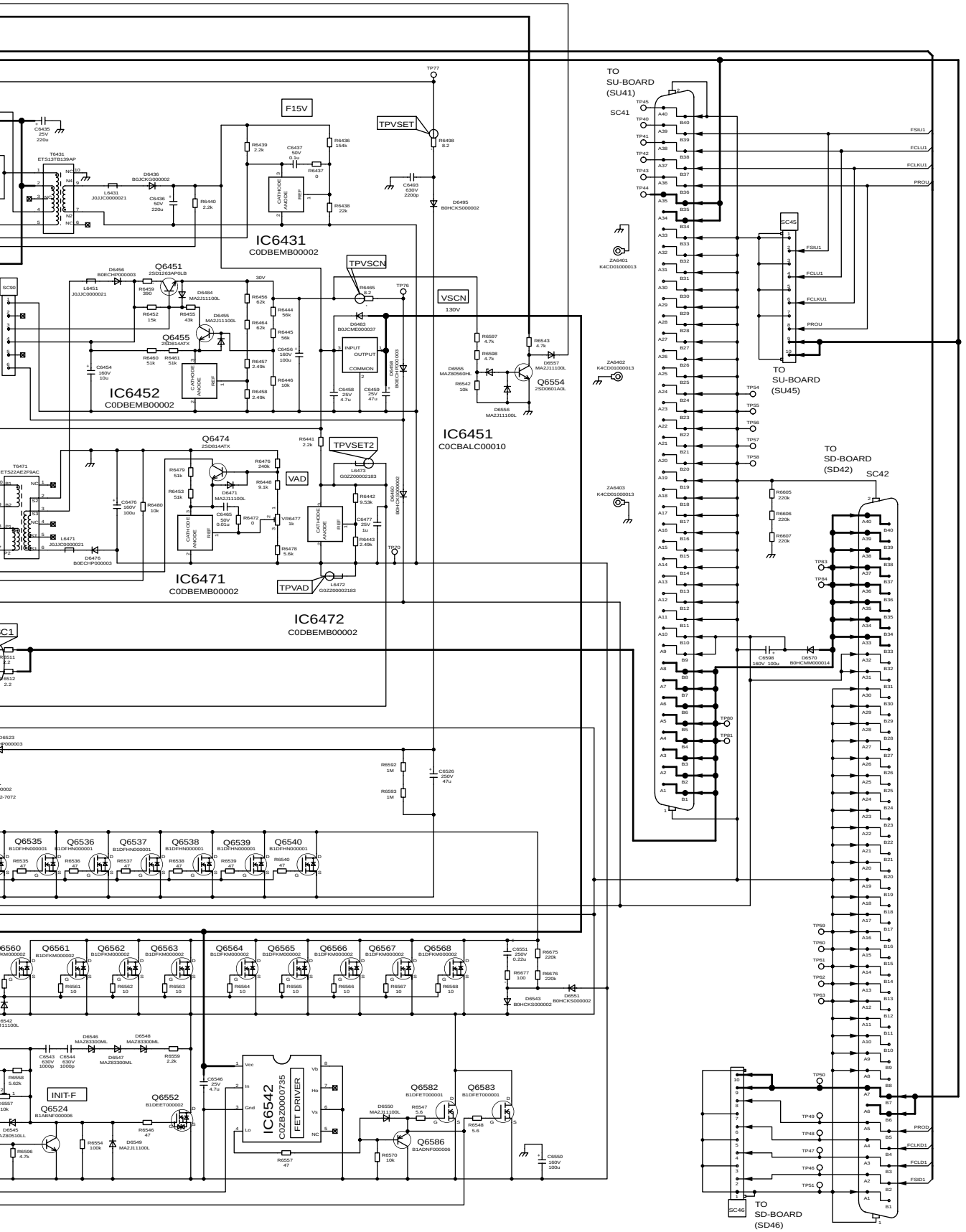


TH-42PHD8BK/BS/EK/ES
SC-Board (1 of 2) Schematic Diagram

15.42. SC-Board (2 of 2) Schematic Diagram

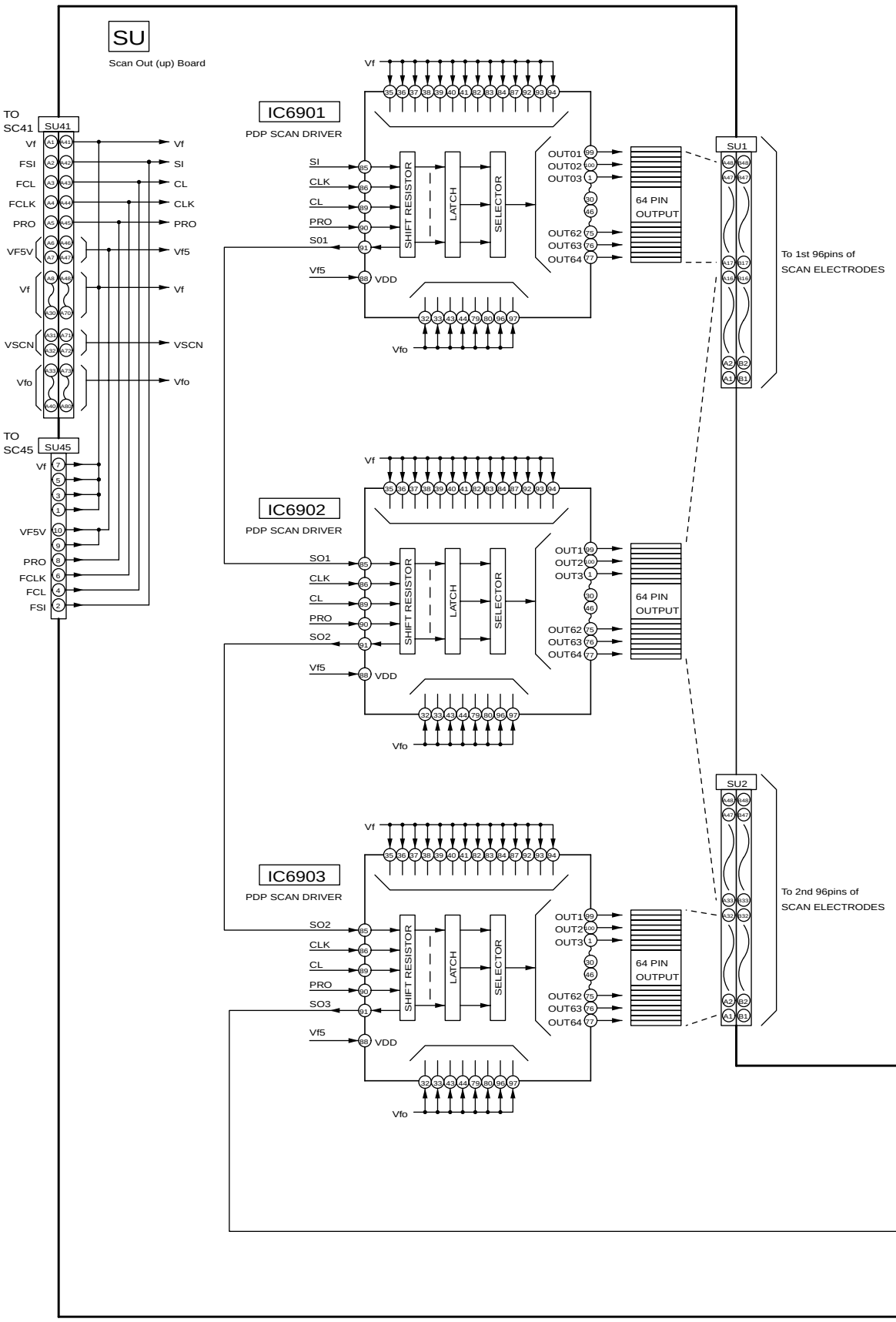


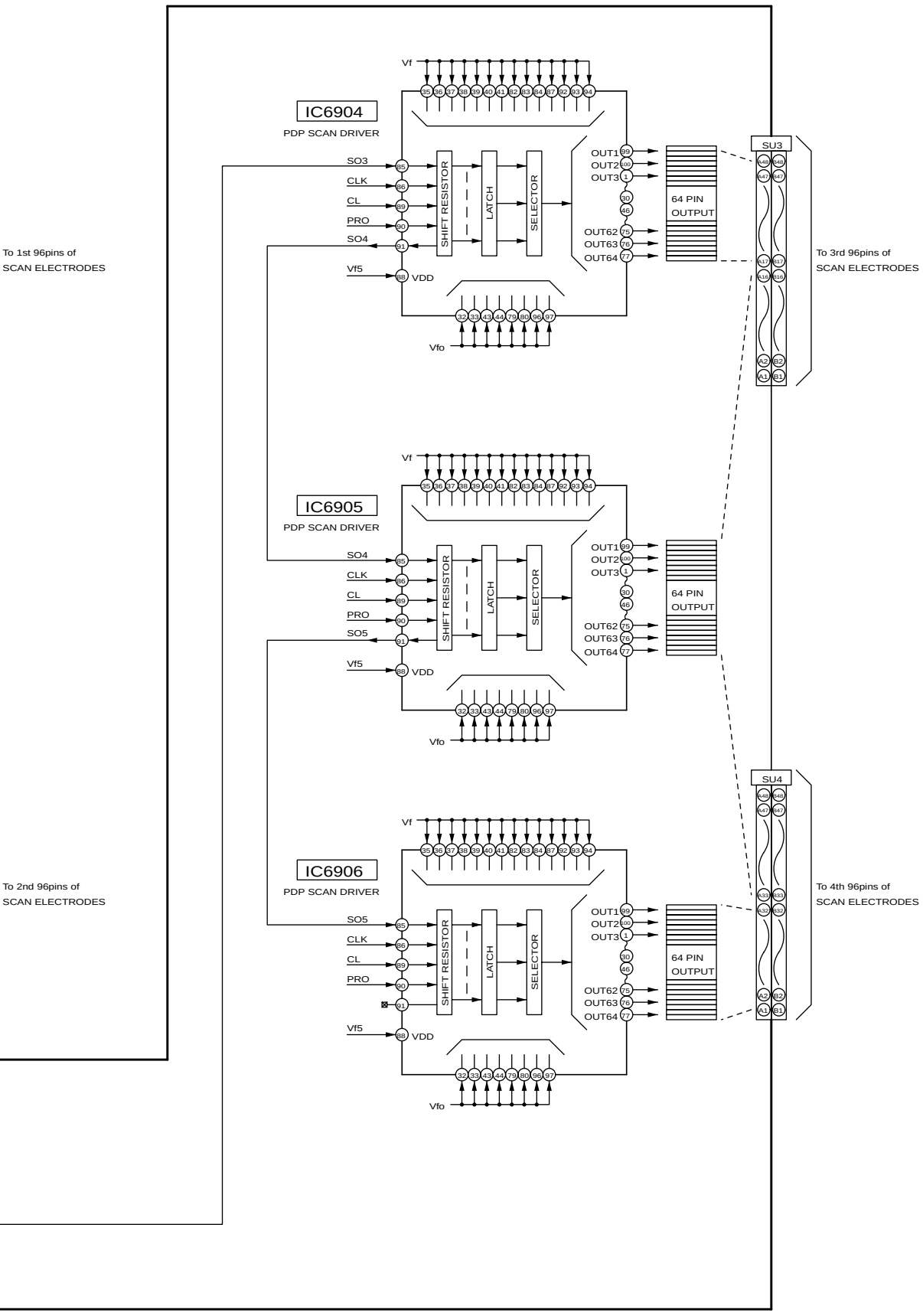
TH-42PHD8BK/BS/EK/ES
SC-Board (2 of 2) Schematic Diagram



TH-42PHD8BK/BS/EK/ES
SC-Board (2 of 2) Schematic Diagram

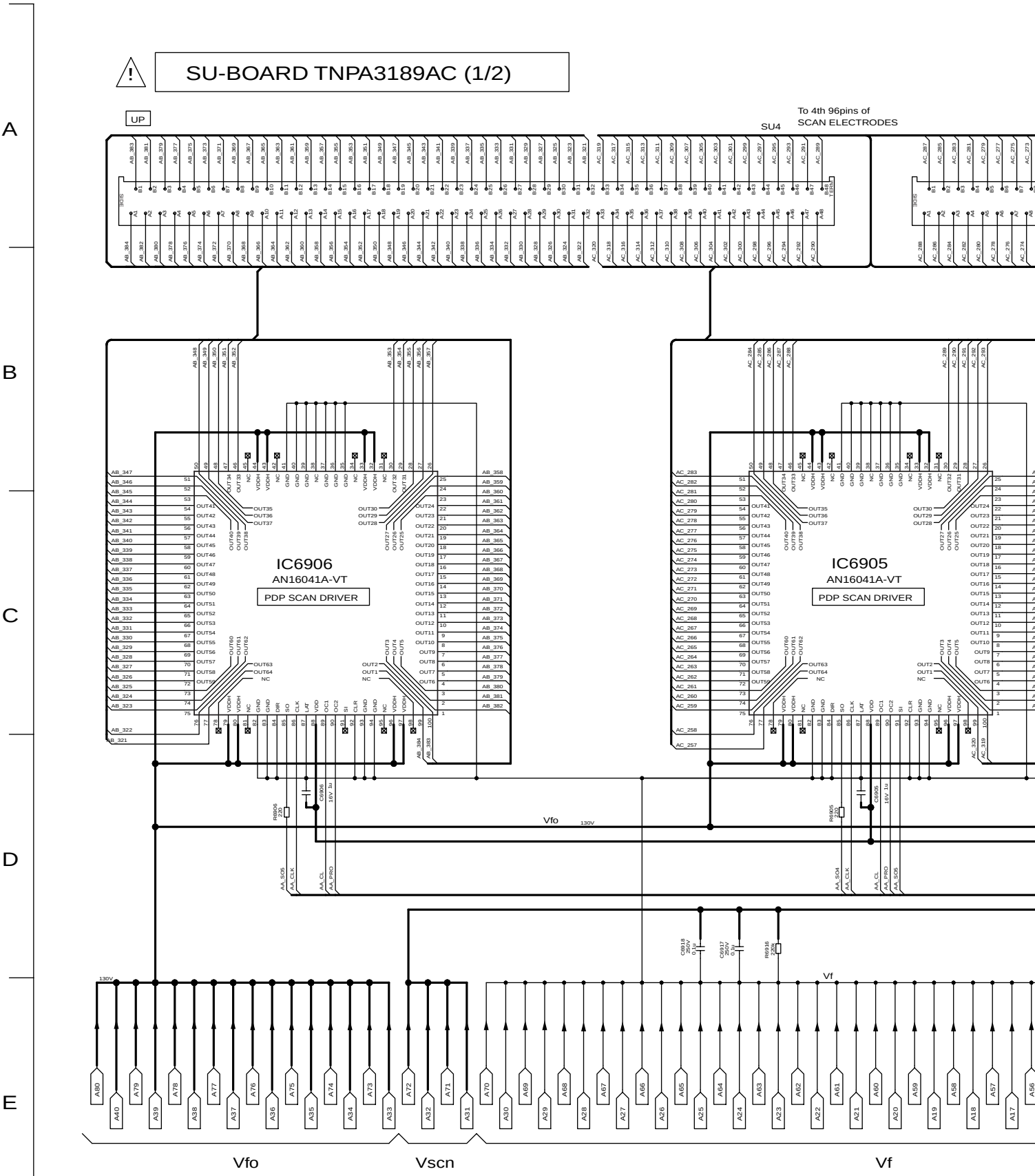
15.43. SU-Board Block Diagram



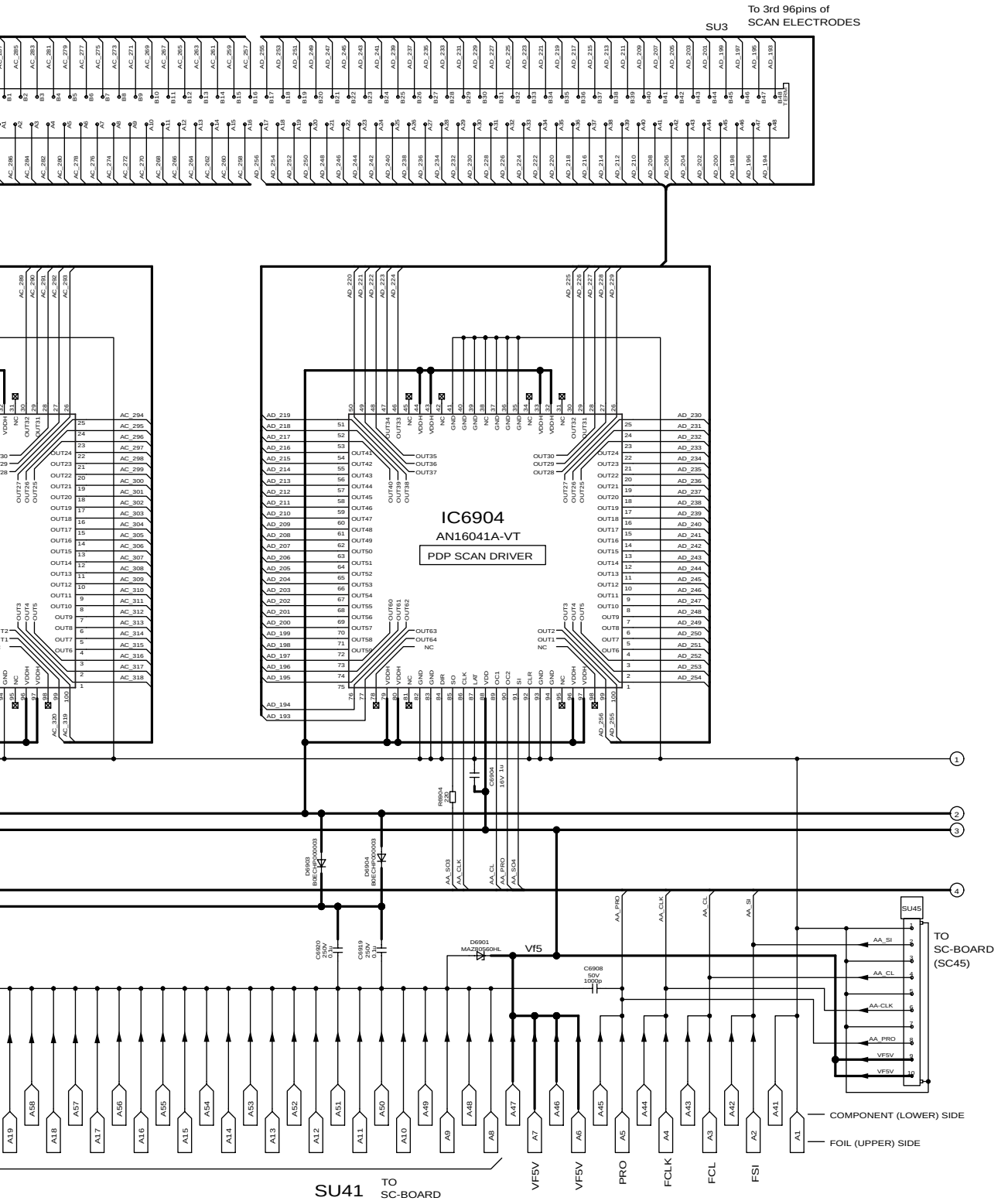


TH-42PHD8BK/BS/EK/ES
SU-Board Block Diagram

15.44. SU-Board (1 of 2) Schematic Diagram



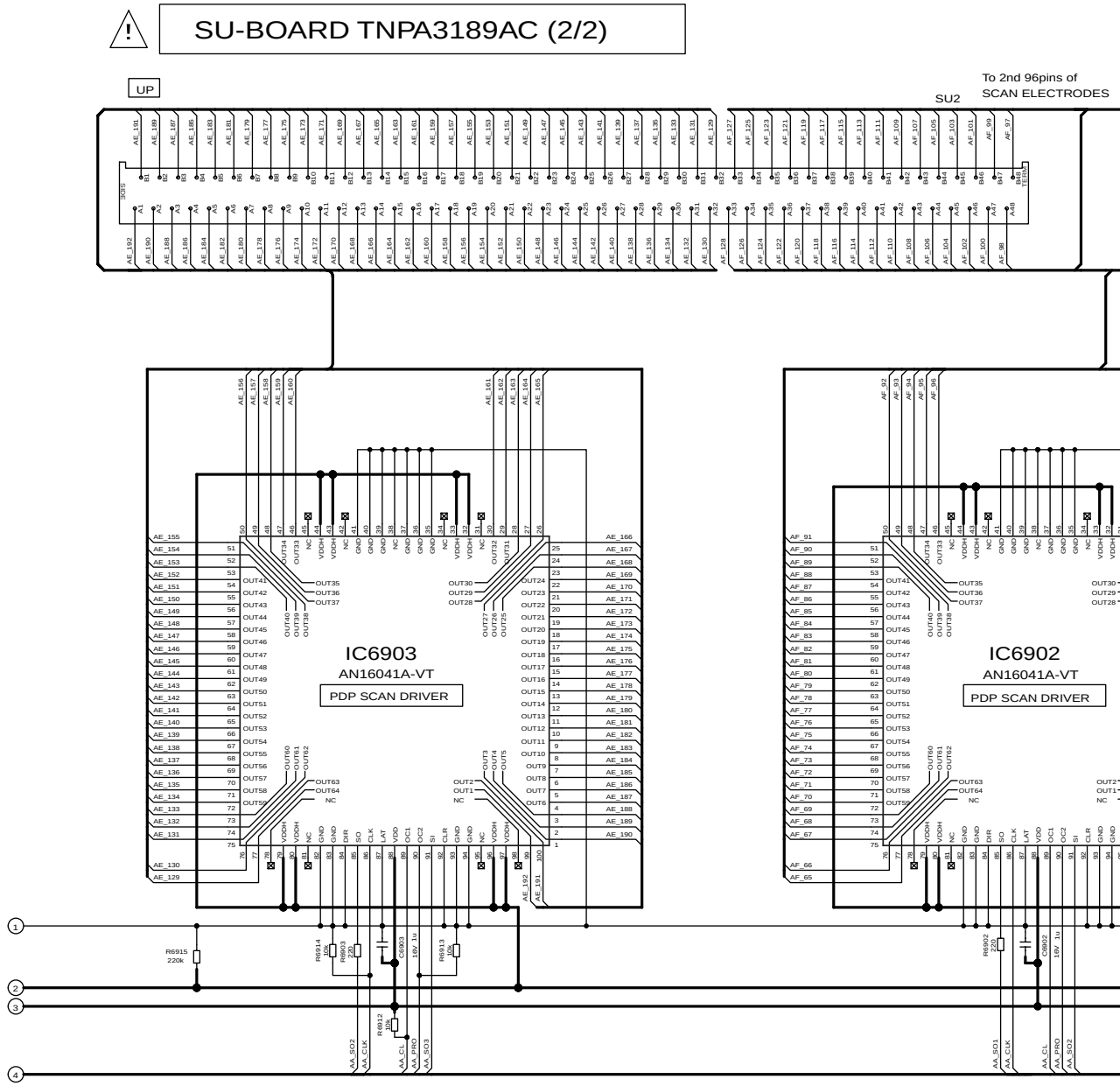
TH-42PHD8BK/BS/EK/ES
SU-Board (1 of 2) Schematic Diagram

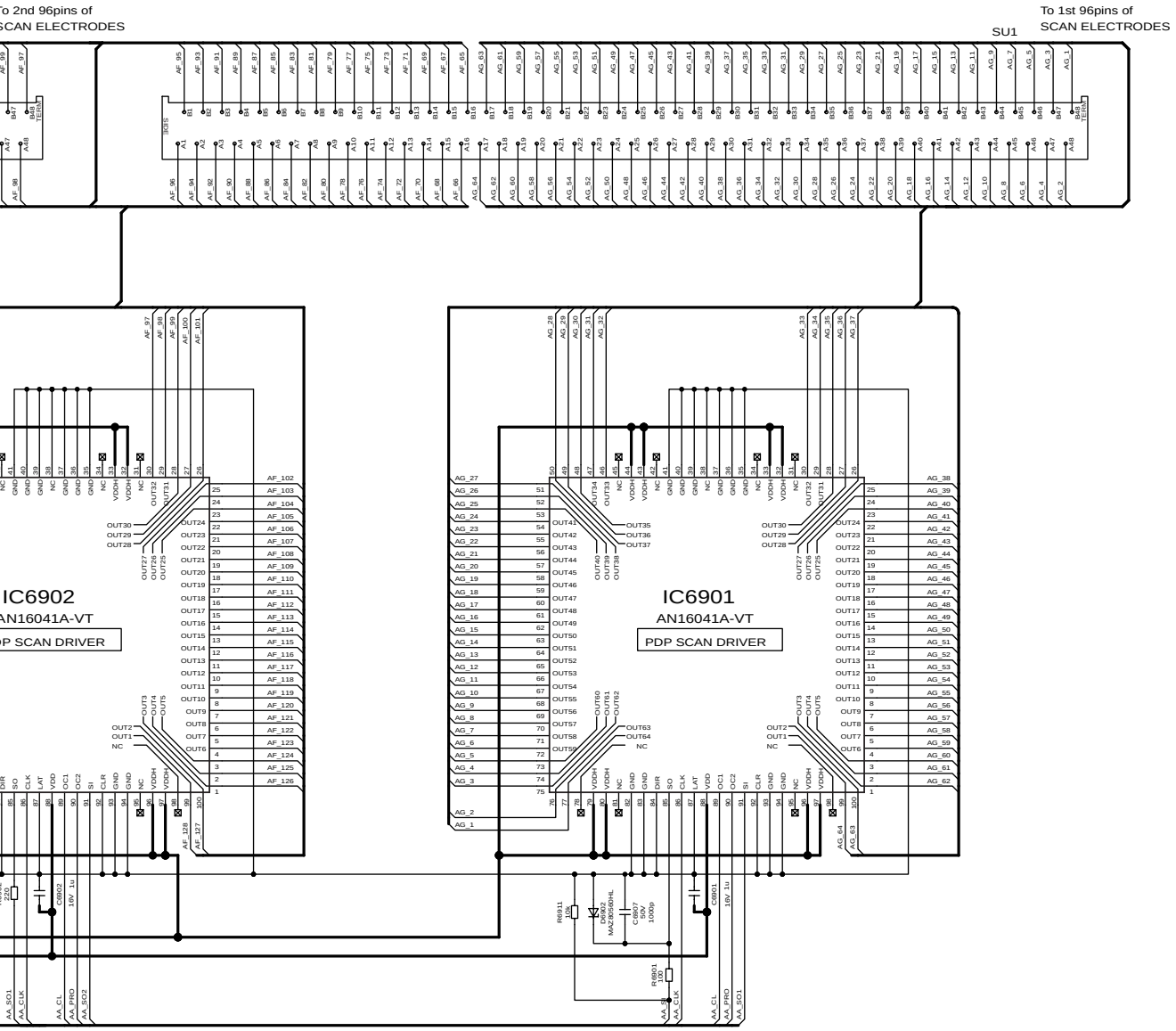


TH-42PHD8BK/BS/EK/ES
SU-Board (1 of 2) Schematic Diagram

5 6 7 8

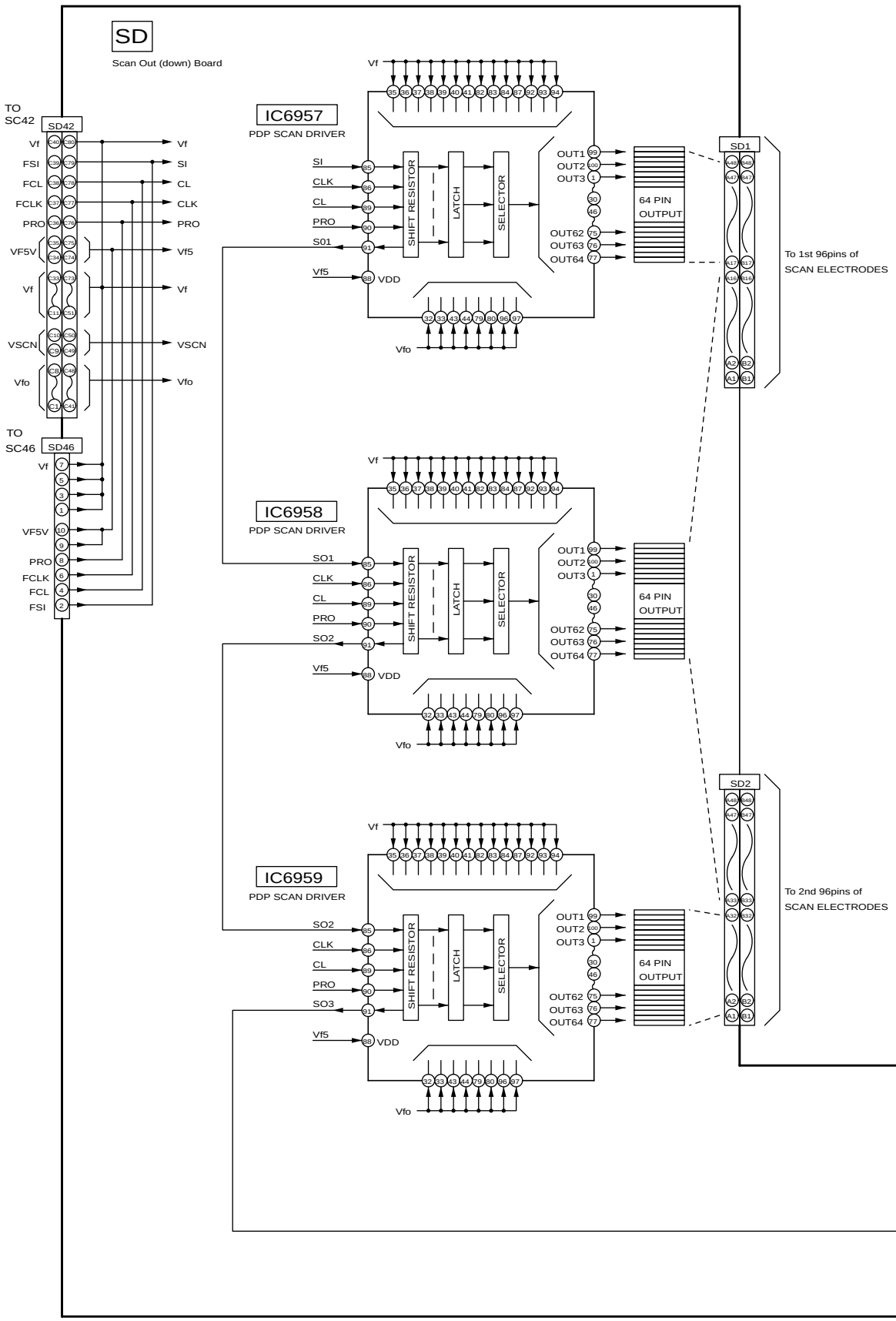
15.45. SU-Board (2 of 2) Schematic Diagram



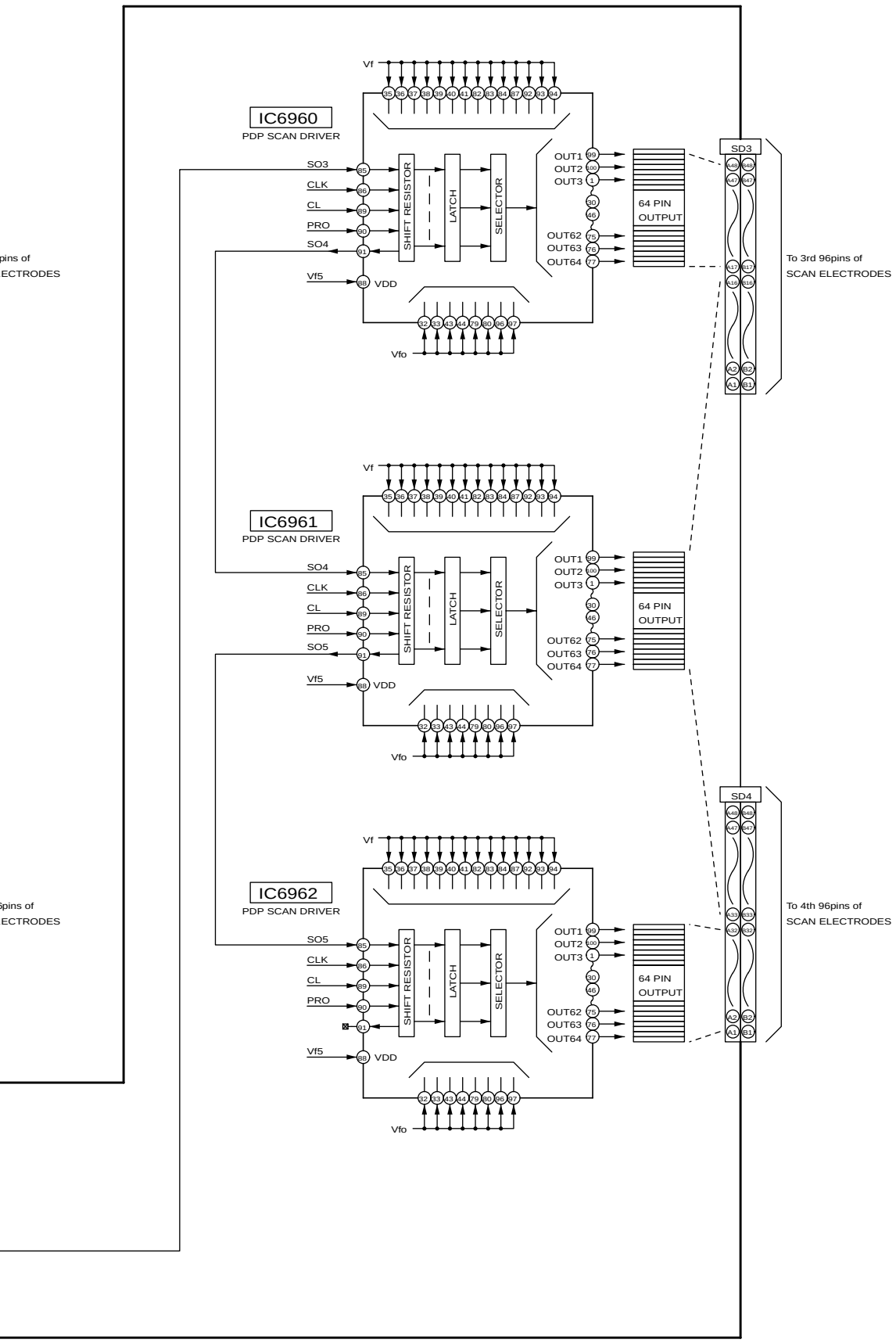


TH-42PHD8BK/BS/EK/ES
SU-Board (2 of 2) Schematic Diagram

15.46. SD-Board Block Diagram

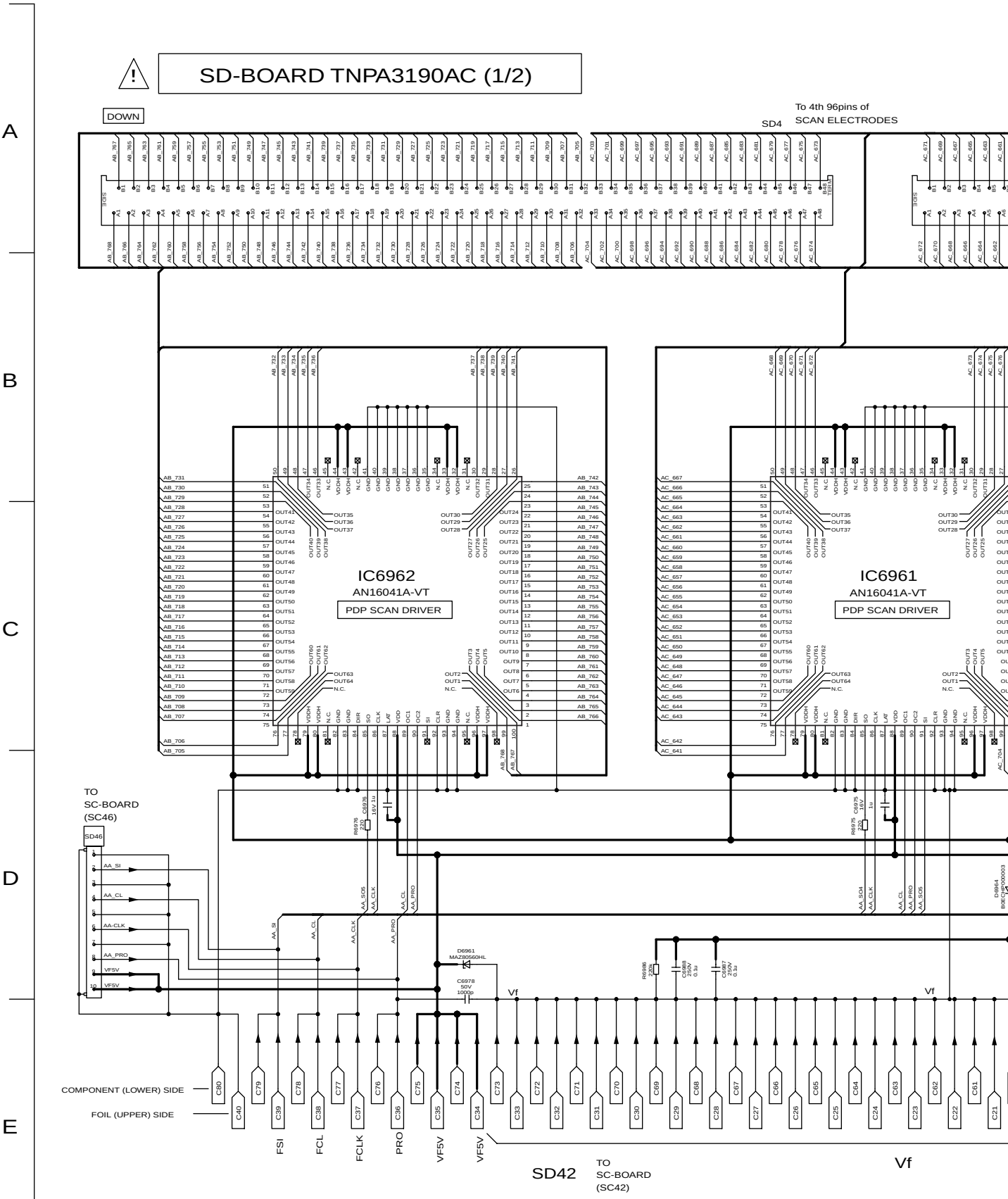


TH-42PHD8BK/BS/EK/ES
SD-Board Block Diagram

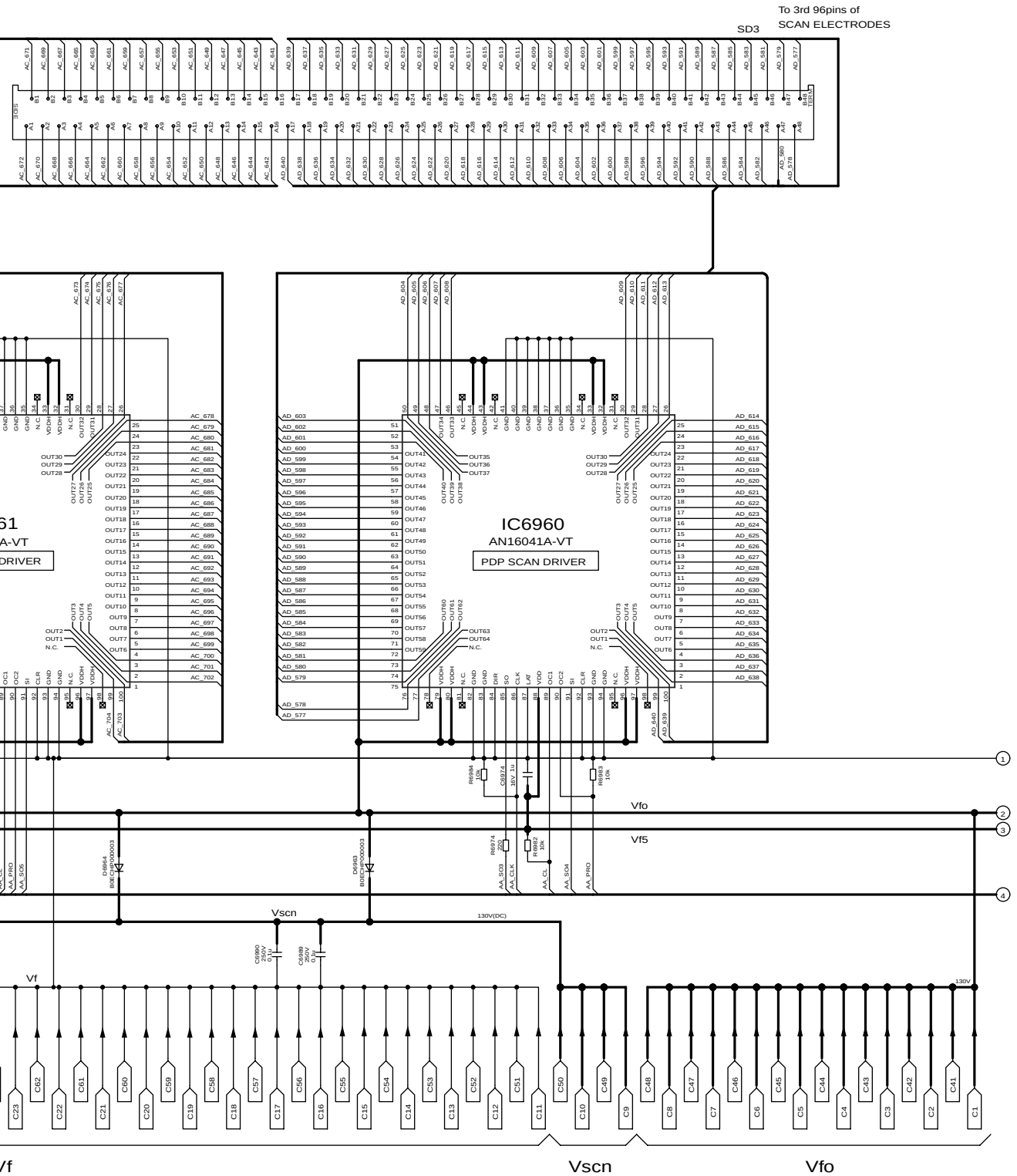


TH-42PHD8BK/BS/EK/ES
SD-Board Block Diagram

15.47. SD-Board (1 of 2) Schematic Diagram

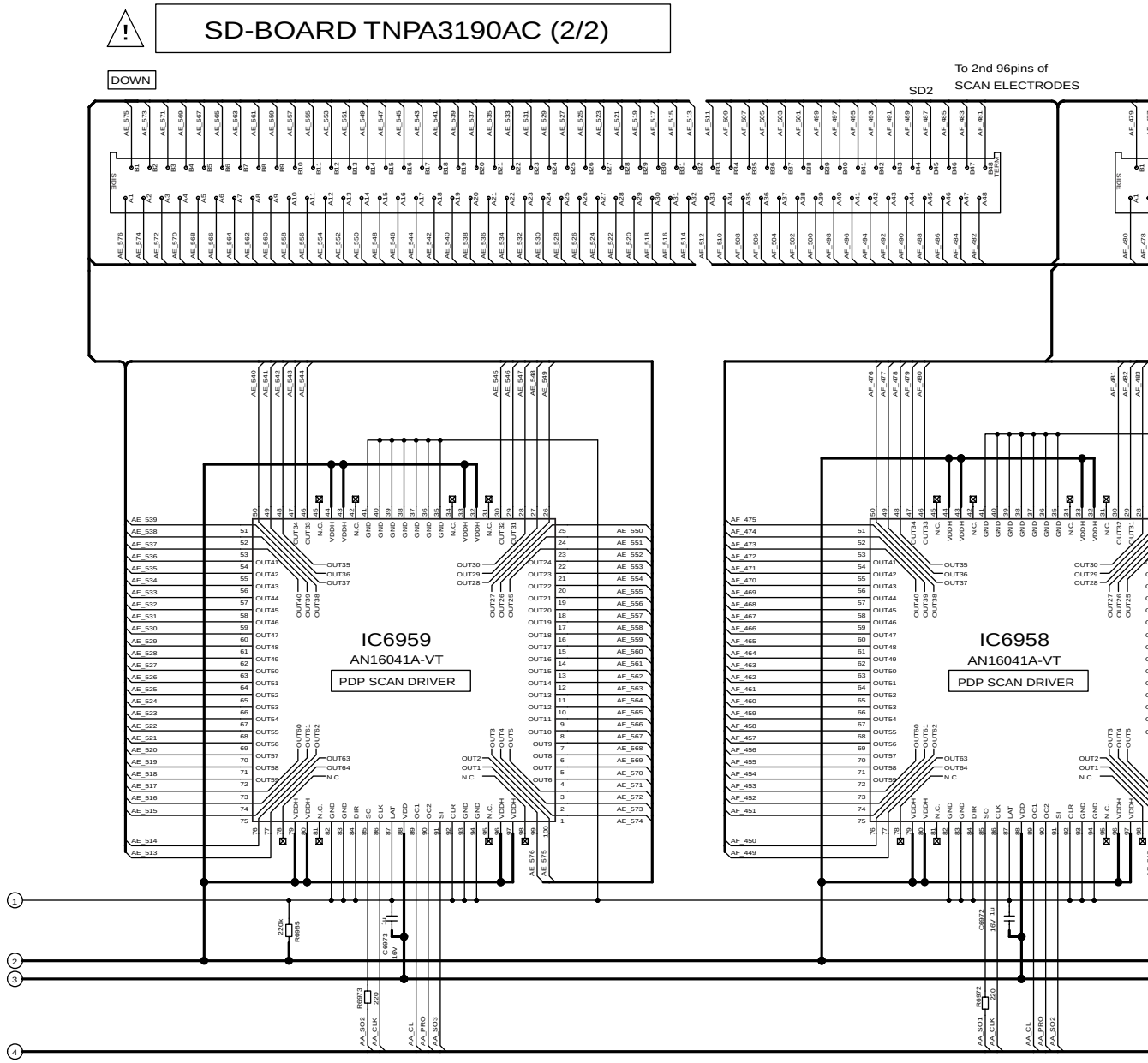


TH-42PHD8BK/BS/EK/ES
SD-Board (1 of 2) Schematic Diagram

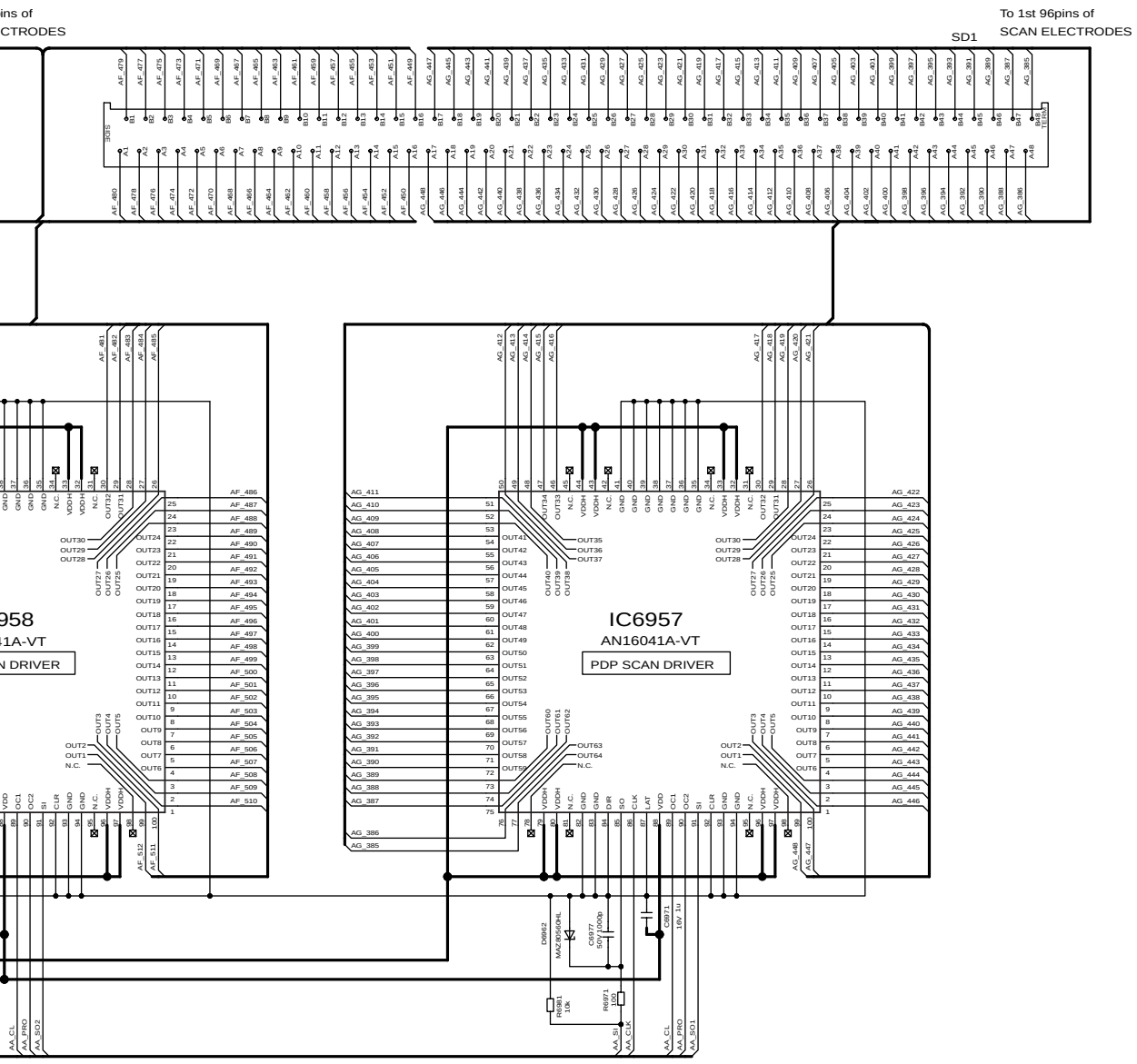


TH-42PHD8BK/BS/EK/ES
SD-Board (1 of 2) Schematic Diagram

15.48. SD-Board (2 of 2) Schematic Diagram



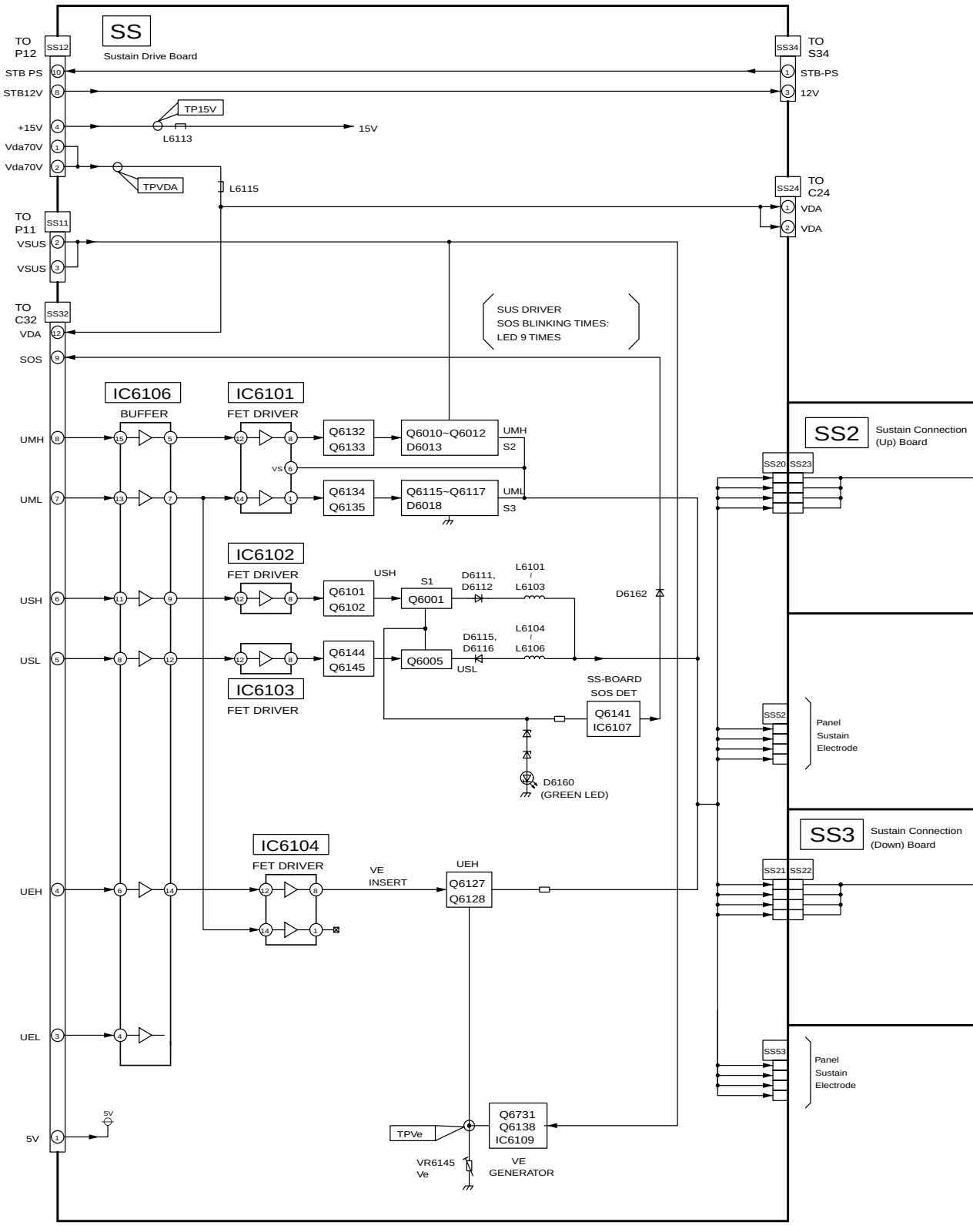
TH-42PHD8BK/BS/EK/ES
SD-Board (2 of 2) Schematic Diagram



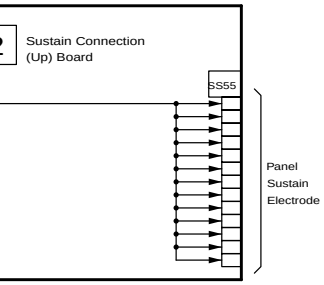
TH-42PHD8BK/BS/EK/ES
SD-Board (2 of 2) Schematic Diagram

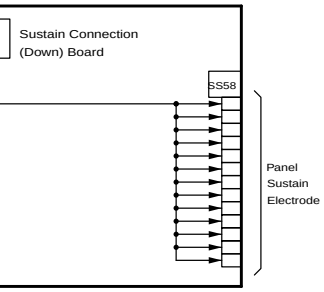
12 13 14 15

15.49. SS, SS2 and SS3-Board Block Diagram

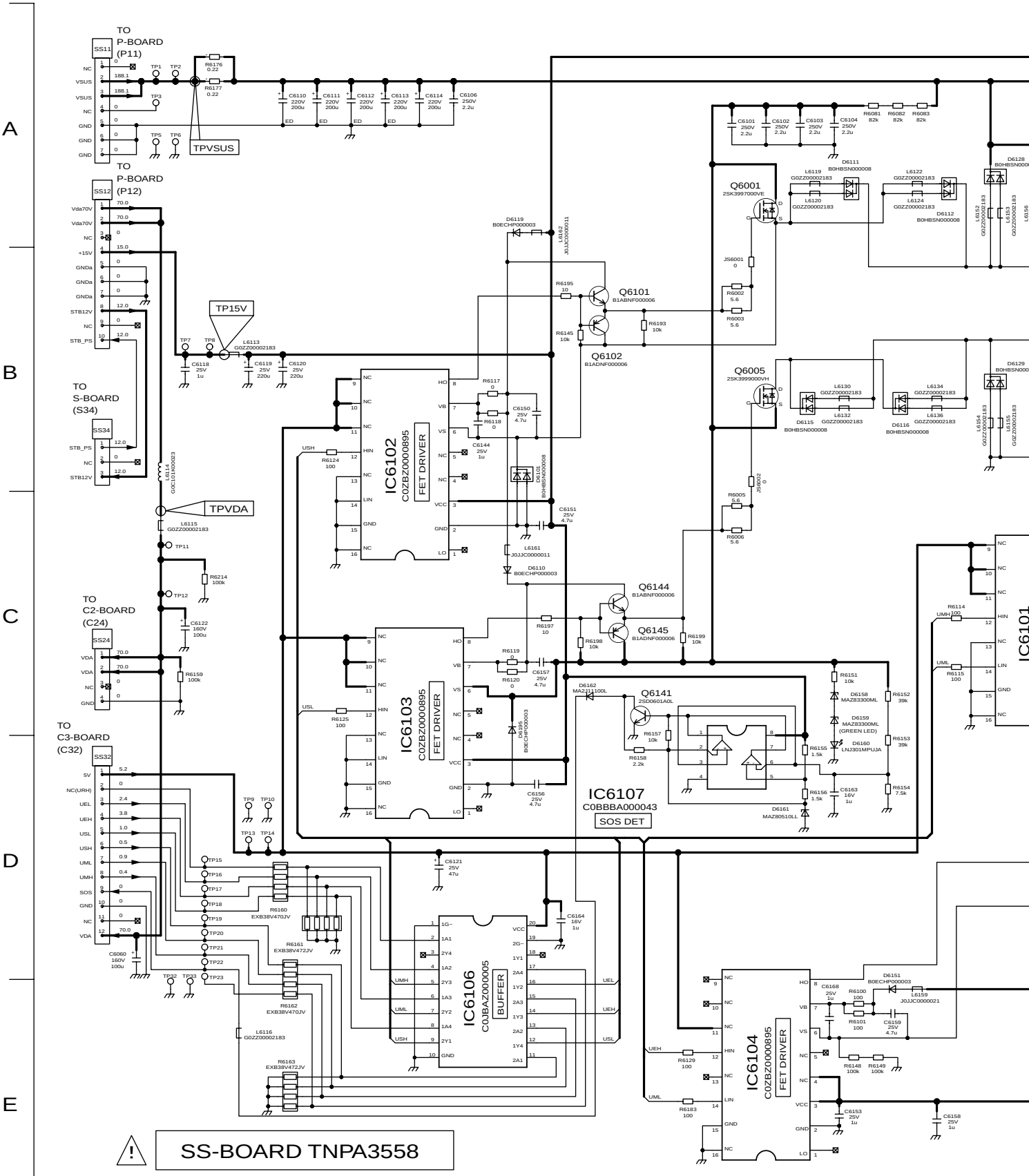


TH-42PHD8BK/BS/EK/ES
SS, SS2 and SS3-Board Block Diagram


Sustain Connection
(Up) Board
SS55
Panel
Sustain
Electrode

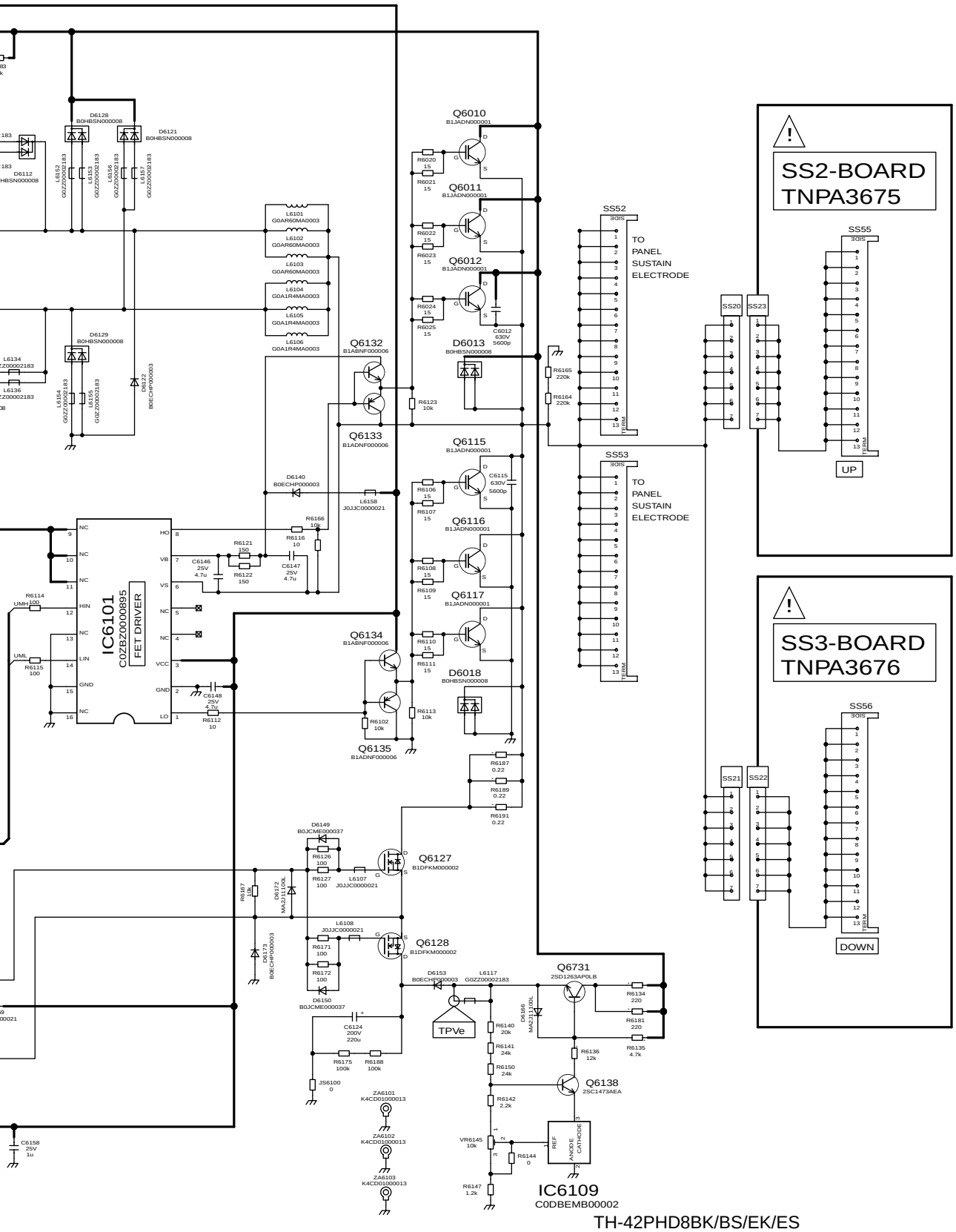

Sustain Connection
(Down) Board
SS58
Panel
Sustain
Electrode

15.50. SS, SS2 and SS3-Board Schematic Diagram



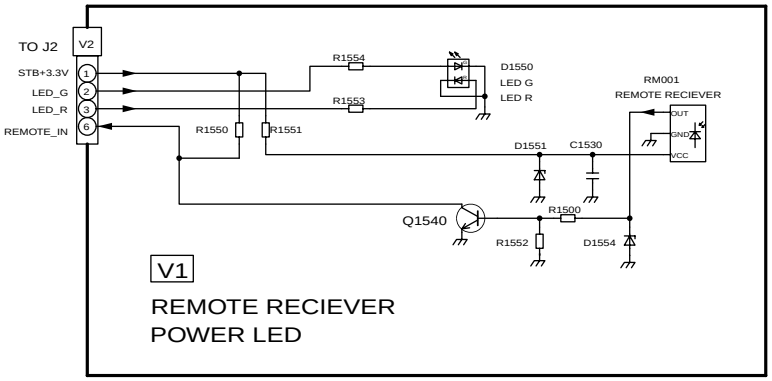
SS-BOARD TNPA3558

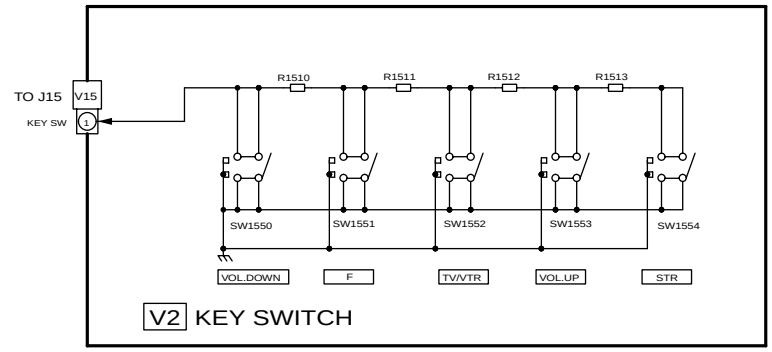
TH-42PHD8BK/BS/EK/ES
SS, SS2 and SS3-Board Schematic Diagram

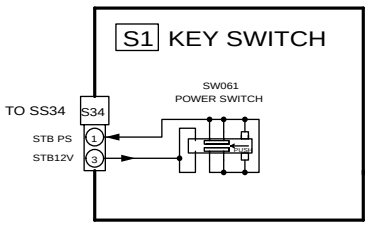


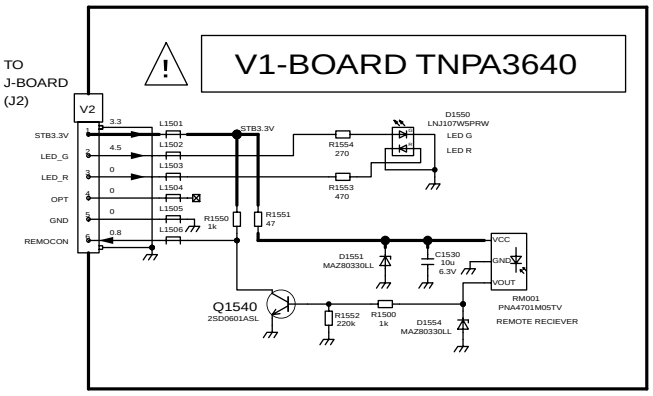
TH-42PHD8BK/BS/EK/ES
SS, SS2 and SS3-Board Schematic Diagram

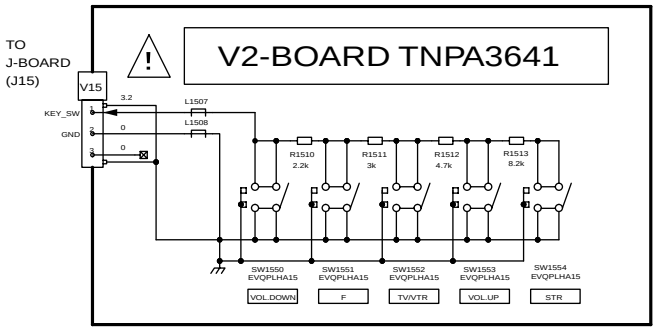
15.51. S1, V1 and V2-Board Block and Schematic Diagram

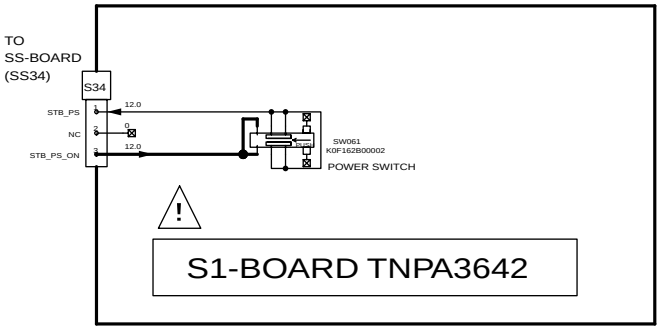


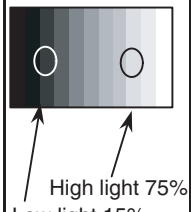





TO
J-BOARD
(J2)
V1-BOARD TNPA3640
V2
STB3.3V
LED_G
LED_R
OPT
GND
REMOCON
L1501
L1502
L1503
L1504
L1505
L1506
R1550
1k
R1551
47
R1554
270
R1553
470
D1550
LNJ107W5PRW
LED G
LED R
D1551
MAZ80330LL
C1530
10u
6.3V
VCC
GND
VOUT
RM001
PNA4701M05TV
REMOTE RECIEVER
Q1540
2SD0601ASL
R1552
220k
R1500
1k
D1554
MAZ80330LL


TO
J-BOARD
(J15)
V2-BOARD TNPA3641
V15
KEY_SW
GND
L1507
L1508
R1510
2.2k
R1511
3k
R1512
4.7k
R1513
8.2k
SW1550
EVQPLHA15
SW1551
EVQPLHA15
SW1552
EVQPLHA15
SW1553
EVQPLHA15
SW1554
EVQPLHA15
VOL.DOWN
F
TV/VTR
VOL.UP
STR


TO
SS-BOARD
(SS34)
S34
STB_PS
NC
STB_PS_ON
SW061
K0F162B00002
POWER SWITCH
S1-BOARD TNPA3642

	INPUT	Equipment	Setting	Alignment menu	Procedure
1	PC (VGA) Gray Scale Pattern  	Color Analyzer	Picture menu: Standard Picture: 25 Color temperature: **Cool** Aspect: Full POS./Size: Normal Component/ RGB-IN Select: RGB IIC mode: Panel W/B Adj	PANEL W/B G cut off PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive	Note: · Before adjustment, color signal has not been displayed on panel. · The pedestal adjustment has been done. · The signal root must be A side. 1) Set G cut off to " 80 ". 2)Find 75% (amplitude) of white area by color sensor. 3) Set G Drive to " E0 ". 4) Adjust B and R Drive to set the High color temperature as shown Table 1. 5) Increase equaly R, G and B Drive to get the largest level of 3 color drive to "FC". Table 1 W/B adjustment values
2			Picture menu: Standard Picture: 25 Color temperature: **Normal** Aspect: Full POS./Size: Normal	PANEL W/B G cut off PANEL W/B R,G,B Drive	1) Change color temperature to "Normal". 2) In Mid color temperature, repeat the procedures 1) to 5) of Cool mode.
3			Picture menu: Standard Picture: 25 Color temperature: **Warm** Aspect: Full POS./Size: Normal	PANEL W/B G cut off PANEL W/B R,G,B Drive	1) Change color temperature to "Warm". 2) In Low color temperature, repeat the procedures 1) to 5) of Cool mode.
4	· NTSC · PAL · DVI				1) Copy the R drive, G drive and B drive data obtained in above steps into NTSC, PAL and DVI area.

Color Temp.	x	y
Cool(Hi)	0.276	0.276
Normal(Mid)	0.288	0.296
Warm(Low)	0.313	0.329

Color temperature	R	G	B
High	A0-11AD	A0-11AE	A0-11AF
Medium	A0-11B0	A0-11B1	A0-11B2
Low	A0-11B3	A0-11B4	A0-11B5

Table 2 Drive data addresses (PC/RGB)

Color temperature	R	G	B
High	A0-1180	A0-1181	A0-1182
Medium	A0-1183	A0-1184	A0-1185
Low	A0-1186	A0-1187	A0-1188

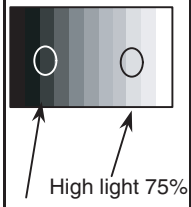
Table 3 Drive data addresses (NTSC)

Color temperature	R	G	B
High	A0-1189	A0-118A	A0-118B
Medium	A0-118C	A0-118D	A0-118E
Low	A0-118F	A0-1190	A0-1191

Table 4 Drive data addresses (PAL)

Color temperature	R	G	B
High	A0-11B6	A0-11B7	A0-11B8
Medium	A0-11B9	A0-11BA	A0-11BB
Low	A0-11BC	A0-11BD	A0-11BE

Table 5 Drive data addresses (DVI)

	INPUT	Equipment	Setting	Alignment menu	Procedure
1	HD (YUV2_HD) Gray Scale Pattern  	Color Analyzer	Picture menu: Standard Picture: 25 Color temperature: **Cool** Aspect: Full POS./Sise: Normal Component/ RGB-IN Select: COMPONENT IIC mode: Panel W/B Adj	PANEL W/B G cut off PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive	Note: · Before adjustment, color signal has not been displayed on panel. · The pedestal adjustment has been done. · The signal root must be A side. 1) Set G cut off to " 80 ". 2)Find 75% (amplitude) of white area by color sensor. 3) Set G Drive to " E0 ". 4) Adjust B and R Drive to set the High color temperature as shown Table 1. 5) Increase equaly R, G and B Drive to get the largest level of 3 color drive to "FC". Table 1 W/B adjustment values
2			Picture menu: Standard Picture: 25 Color temperature: **Normal** Aspect: Full POS./Sise: Normal	PANEL W/B G cut off PANEL W/B R,G,B Drive	1) Change color temperature to "Normal". 2) In Mid color temperature, repeat the procedures 1) to 5) of Cool mode.
3			Picture menu: Standard Picture: 25 Color temperature: **Warm** Aspect: Full POS./Sise: Normal	PANEL W/B G cut off PANEL W/B R,G,B Drive	1) Change color temperature to "Warm". 2) In Low color temperature, repeat the procedures 1) to 5) of Cool mode.
4	· YUV1_525ip · YUV3_625ip				1) Copy the R drive, G drive and B drive data obtained in above steps into YUV1_525ip, YUV3_625ip area.

Color Temp.	x	y
Cool(Hi)	0.276	0.276
Normal(Mid)	0.288	0.296
Warm(Low)	0.313	0.329

Color temperature	R	G	B
High	A0-119B	A0-119C	A0-119D
Medium	A0-119E	A0-119F	A0-11A0
Low	A0-11A1	A0-11A2	A0-11A3

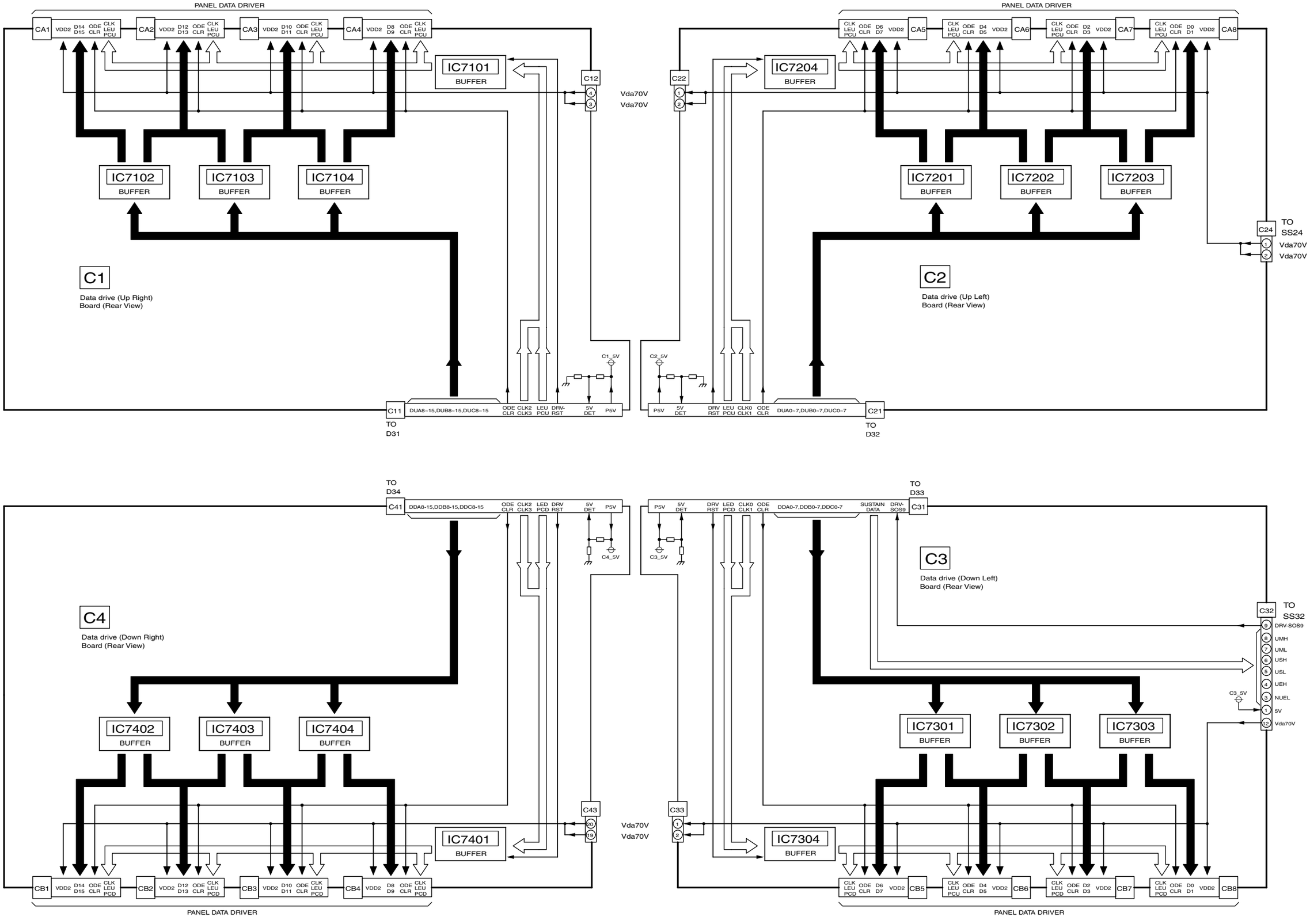
Table 2 Drive data addresses (YUV2_HD)

Color temperature	R	G	B
High	A0-1192	A0-1193	A0-1194
Medium	A0-1195	A0-1196	A0-1197
Low	A0-1198	A0-1199	A0-119A

Table 3 Drive data addresses (YUV1_525ip)

Color temperature	R	G	B
High	A0-11A4	A0-11A5	A0-11A6
Medium	A0-11A7	A0-11A8	A0-11A9
Low	A0-11AA	A0-11AB	A0-11AC

Table 4 Drive data addresses (YUV3_625ip)



TH-42PHD8BK/BS/EK/ES
C1, C2, C3 and C4-Board Block Diagram

TH-42PHD8BK/BS/EK/ES
C1, C2, C3 and C4-Board Block Diagram

D DIGITAL SIGNAL PROCESSOR FORMAT CONVERTER, PIASMA AI SUB-FIELD PROCESSOR

TO J1 D1
R/PR(M) 4
G/Y(M) 8
B/PB(M) 12
HD(S) 13
VD(S) 15
HD(M) 16
VD(M) 18
DPMS_HD 17
DPMS_VD 20

TO J5/J6 D5
RX0+(M) 2
RX0-(M) 3
RX1+(M) 5
RX1-(M) 6
RX2+(M) 8
RX2-(M) 9
RX3+(M) 11
RX3-(M) 12
RXC+(M) 14
RXC-(M) 15
RXC+(S) 17
RXC-(S) 18
RX0+(S) 20
RX0-(S) 21
RX1+(S) 23
RX1-(S) 24
RX2+(S) 26
RX2-(S) 27
RX3+(S) 29
RX3-(S) 30

TO P25 D25
P+12V 1
P+12V 2
P+5V 7
P+5V 9
STB+5V 10
FAN CONT 4
F_STBY_ON 13
FAN SOS 14
PS_SOS 16
PANEL_MAIN_ON 17
ALL_OFF 18

IC9002 IC9001 8bit A/D CONVERTER

P+5V, +3.3V, 3.3V
RGB: CLAMP, PGA, 8-bit ADC, Block Loop
R,G,B MAIN VIDEO 24bit
HSYNC, VSYNC, CLAMP, SYNC SEPA, DTCLK
HD,VD,CLP
HD,VD,CLK
IIC CONT
NRST
SDA2, SCL2
IICBUS

IC9031 LEVEL CONVERTER

P+5V
VDD 5V → 3.3V
HD_M,VD_M
HD_S,VD_S

IC9607 IC9608 IC9954 IC9506

Q9500 Q9502 LOOP VOLTAGE CONTROL
+3.3V, +1.5V
3.3V, 1.5V
+2.5V → 2.5V_3, 2.5V_2
+1.2V → 1.2V
Q9951,Q9078 VOLTAGE CONTROL
TV_ON/OFF
STB+5V_M
FAN_CONT
STB_ON
FAN_SOS
PS_SOS
ALL_OFF

IC9953 IC9704 IC9703

STB+5V → STB+3.3V
RESET
EEPROM 64k
SDA1, SCL1

IC9711 OR GATE

STB3.3V
Q9707, Q9706

IC9715 LEVEL CONVERTER

VCC 5V → 3.3V
5VRXD_TU → RXD_TU
5VTXD_TU → TXD_TU
DRVRST_5V → DRVRST
LED_R, LED_G, NRST

IC9714 LEVEL CONVERTER

VCC 5V → 3.3V
DRVRST_5V
LED_R, LED_G, NRST

Q9076 Q9703 Q9704 Q9705 SOS BLINKING

P+12V SOS, P+5V SOS, +1.5V SOS, +3.3V SOS
D9711, D9712, D9713
SOS BLINKING TIMES
P+3.3V SOS:LED 3TIMES
P+5V SOS:LED 4TIMES

IC9201

SYNC SIGNAL CONTROL
LVDS RECEIVER
TTL S/P
DISCHARGE VOLTAGE CONTROL

LVDS RECEIVER (Low Voltage Differential Signaling) → TTL PARALLEL DATA
TX0 ~ 3-(M), TX0 ~ 3+(M), TXC-(M), TXC+(M)
TX0 ~ 3-(S), TX0 ~ 3+(S), TXC-(S), TXC+(S)
RGB PICTURE OUTPUT
R0-R7 G0-G7 B0-B7
R,G,B MAIN VIDEO 24bit
R,G,B SUB VIDEO 24bit
SYNC SIGNAL CONTROL
HD,VD CLK
HD,VD CLP
IIC CONT
IICBUS SCL2 SDA2
CLKM_IN, FRCK_IN
DISCHARGE CONTROL
DATA TIMING, SUSTAIN, SCAN
FLASH ROM CONTROL A18-20

IC9202 RESET

2.5V_3
VOUT
PROG_B, DIN/O, CLK

IC9203 FPGA PROM

VCC, VCCENT, CLK, DO
TDI, TMS, TCK, TDO_PROM
TDI2, TMS2, TCK2
JTAG
TRST
NRST, DRVRST

IC9701 MCU

DPMS_HD, DPMS_VD
OSDKXI
OSD_HD0, OSD_VD0, OSD_YM, OSD_YS, OSD_CLK, OSD0 ~ OSD15, OSDHD
STB3.3V
P+3.3V SOS, P+5V SOS
FAN_SOS, STB_ON, PS_SOS, TV_ON/OFF, ALL_OFF, SOUND_MUTE, CABLE_DET, POWER_STAT, RTC_INT, KEY_INPUT, RESET
REMOCON OUT, REMOCON IN, REMOCON INH
RXD_TU, TXD_TU, DRVRST, LED_R, LED_G, NRST
RXD_PC, TXD_PC, S_SCL1, S_SDA1, S_SCL2, S_SDA2, S_SCL3, S_SDA3, IIC_INT, IIC_CONT
SS_SOS9, SC_SOS7, SC_SOS2

IC9702 FLASH MEMORY

A01 A18 A20
D00 D15

IC9713 IIC SWITCH

STB5V
SCL2, SDA2, SDA3, SCL3

Q9708 Q9711

R9843, R9873, P5V
DRVRST_5V

IC9703 EEPROM 64k

VCC, SDA1, SCL1

TO J3 D3

STB5V, STB3.3V, +5V, IIC CONT, S CLOCK1, S DATA1, S CLOCK3, S DATA3, RESET, SOUND MUTE, CABLE DET, POWER STATUS, TXD_TU, RXD_TU, TXD_PC, RXD_PC, REMOCON OUT, FAN CONT, RTC INT, STB ON, LED_G, LED_R, REMOCON, KEY_SW

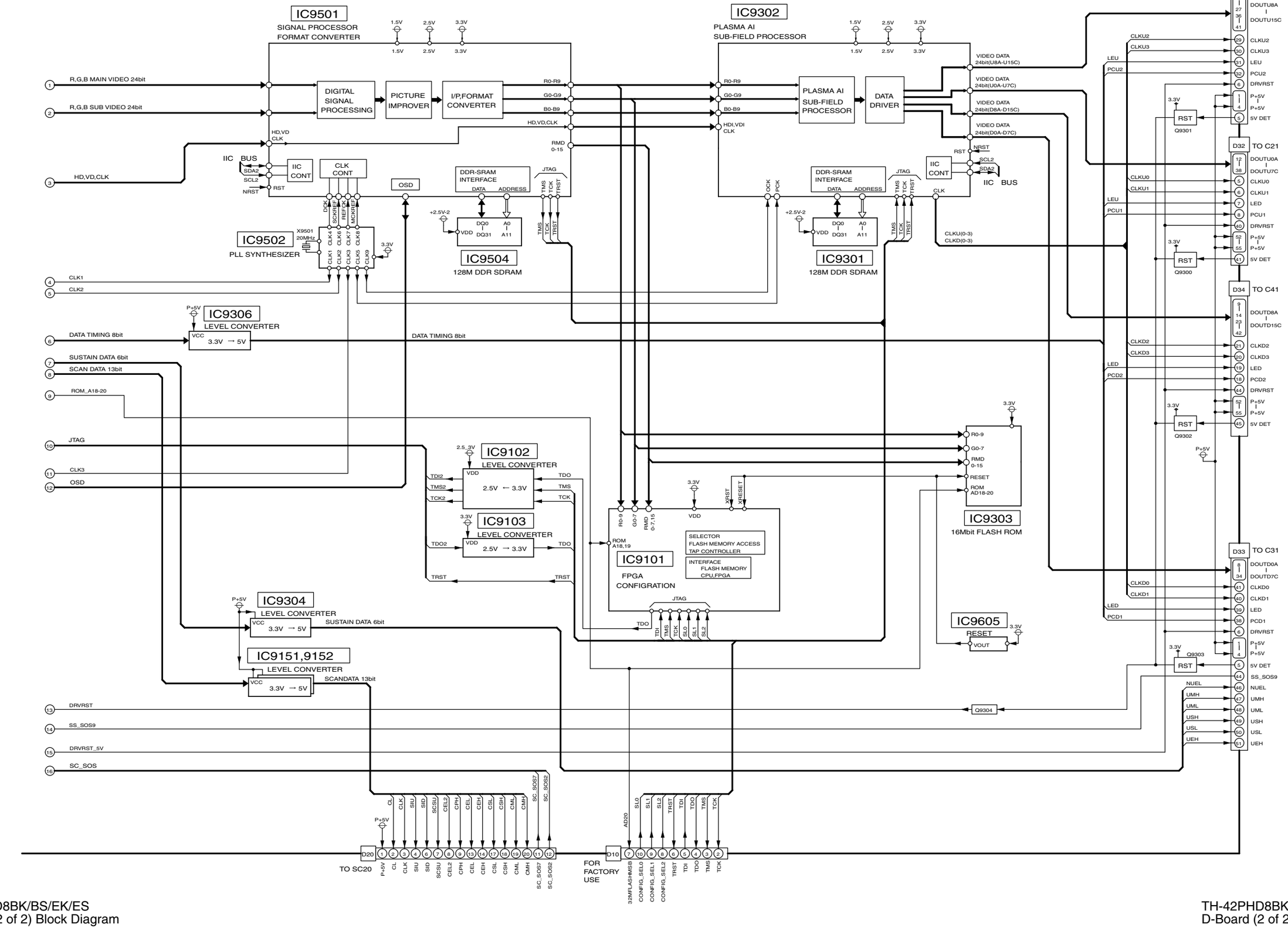
D4 FOR FACTORY USE

STB+3.3V, IIC_CONT, S_CLOCK1, S_DATA1, S_CLOCK2, S_DATA2, S_CLOCK3, S_DATA3, TXD, RXD, IIC_INT, STB+5V

R,G,B MAIN VIDEO 24bit (1)
R,G,B SUB VIDEO 24bit (2)
HD,VD,CLK (3)
CLK1 (4)
CLK2 (5)
DATA TIMING 8bit (6)
SUSTAIN DATA 6bit (7)
SCAN DATA 13bit (8)
ROM_A18-20 (9)
JTAG (10)
CLK3 (11)
OSD (12)
DRVRST (13)
SS_SOS9 (14)
DRVRST_5V (15)
SC_SOS (16)

TH-42PHD8BK/BS/EK/ES
D-Board (1 of 2) Block Diagram

D DIGITAL SIGNAL PROCESSOR
FORMAT CONVERTER,
PIASMA AI
SUB-FIELD PROCESSOR



TH-42PHD8BK/BS/EK/ES
D-Board (2 of 2) Block Diagram

HB BNC COMPOSITE/S VIDEO

JK3001
S-VIDEO IN

JK3002
VIDEO IN/OUT
VIDEO IN
VIDEO OUT

JK3004
AUDIO IN
L IN
R IN

Q3002 AMP
Q3003 AMP
Q3051 L AMP
Q3052 R AMP
Q3004 INV.
Q3005 AMP
Q3023 AMP
9V

IC3001 SWITCH

IC3002 AMP

IC3003 AMP

Q3006 BUFFER
Q3101,3102 BUFFER
L.P.F.
Q3007 BUFFER
Q3104 BUFFER

IC3103
GC2M
Analog Front-End
AGC 2 × ADC
Adaptive Comb Filter
NTSC PAL
Color Decoder
NTSC PAL SECAM
Saturation Tint
Mixer
2DScalar PIP Panorama Contast Brightness Peaking
Output Formatter
C
V/Y

IC3104
RESET
OUT

IC3201
MEMORY
5M FIFO
MEMORY CONTROLLOR
R07
R00
G07
G00
B07
B00
H Sync
V Sync
LL Clock

IIC Bus
Clock Gen.
SDA
SCL
X3101

Sync + Clock Generation

IC3251
LVDS TRANSMITTER
TTL PARALLEL TO LVDS
PLL
HS
VS
CLK IN
CLKSEL
/PDWN
TX0+
TX0-
TX1+
TX1-
TX2+
TX2-
TX3+
TX3-
TXC+
TXC-

TO J-BOARD SLOT
H1

IC3305
DAC ICC EXPANDER
/POWN
CLK SEL
S SEL
S DET
P1
P2
P0
P7
SCL
SDA

IC3304
5V<=>3.3V
SCL
SDA

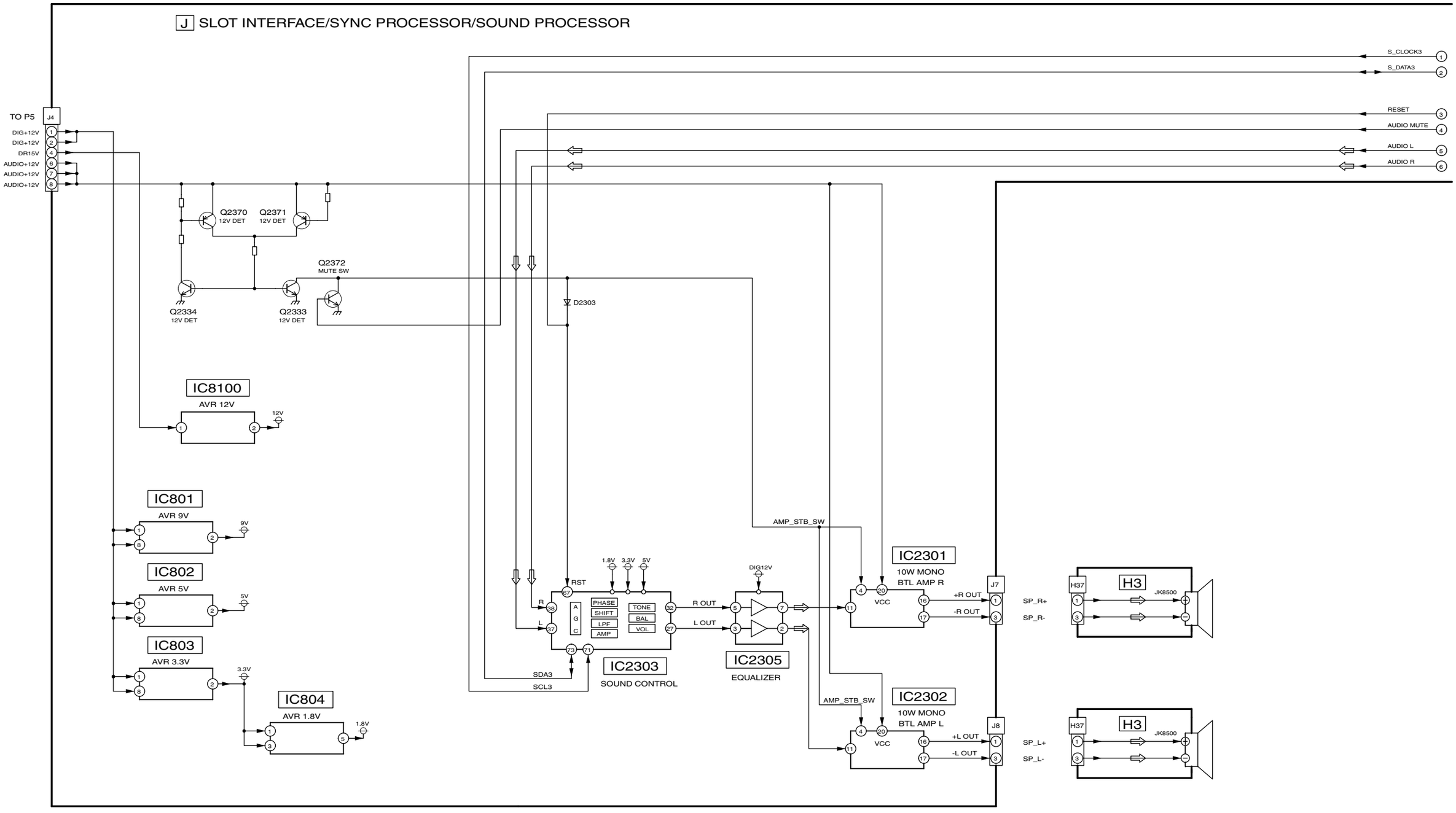
IC3105
5V<=>3.3V
SCL
SDA

IC3699
EEPROM
TERMINAL BOARD INFORMATION
SCL2
SDA2

S2 DET
V/Y
L
R

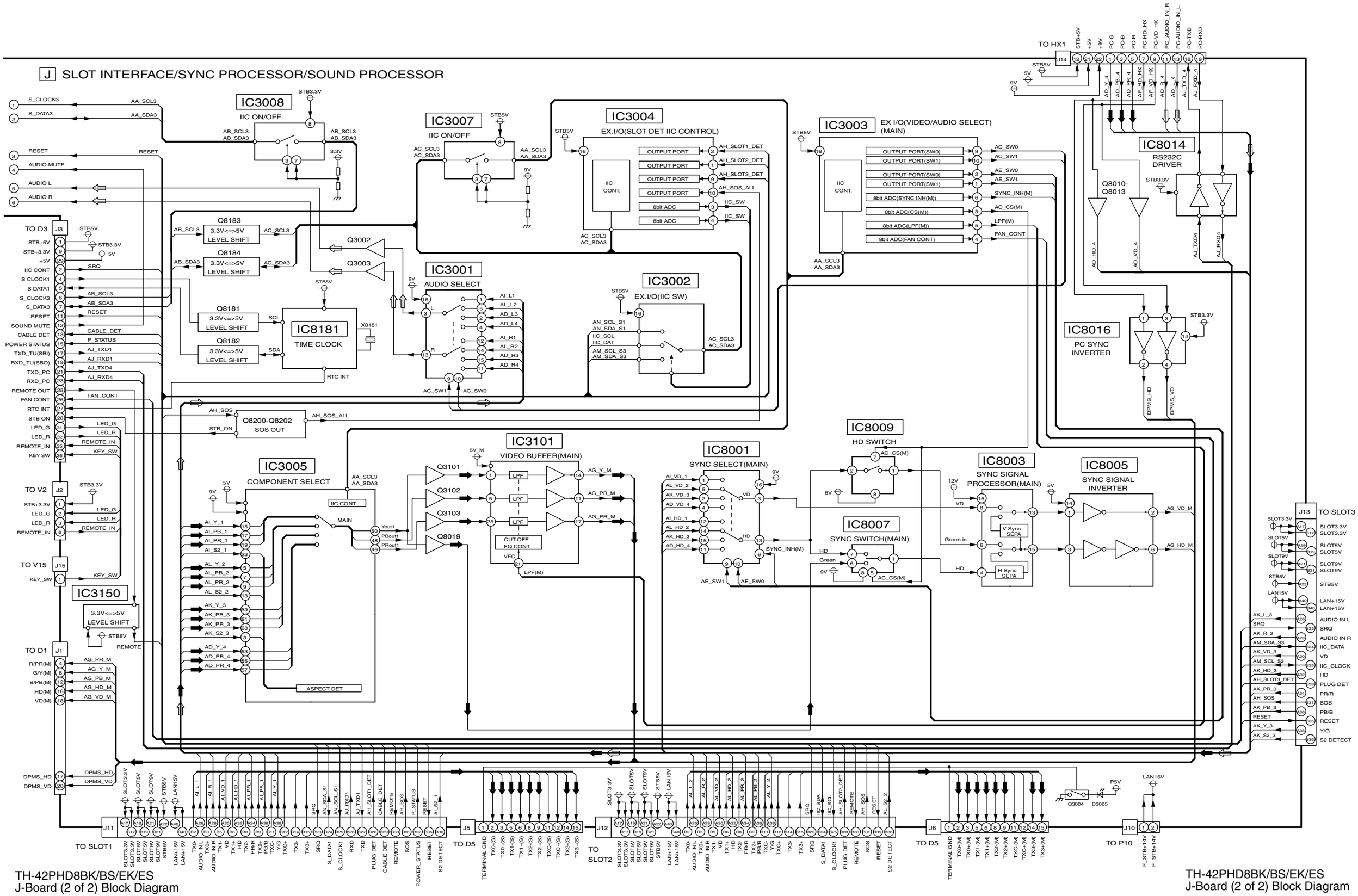
TH-42PHD8BK/BS/EK/ES
HB-Board Block Diagram

J SLOT INTERFACE/SYNC PROCESSOR/SOUND PROCESSOR

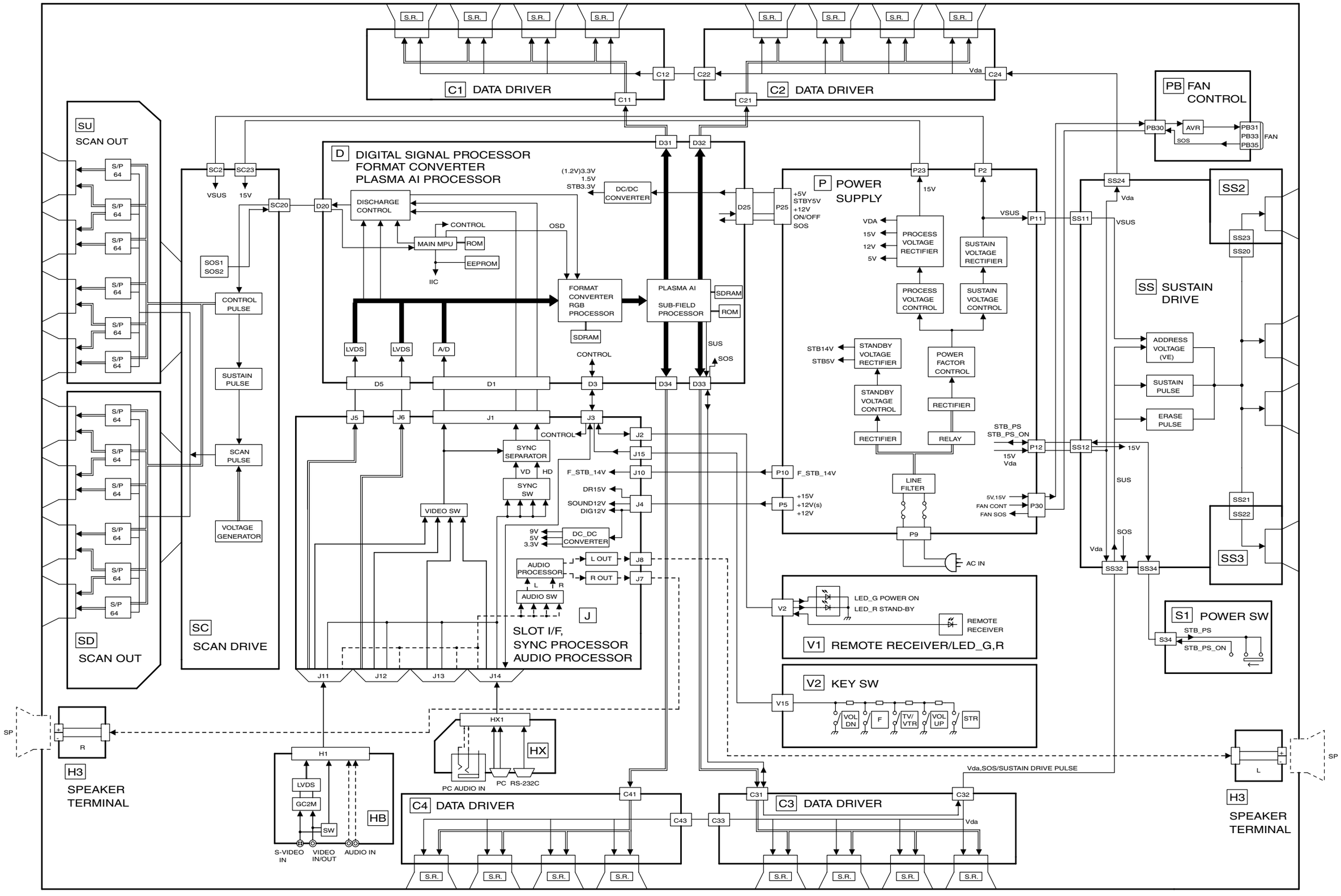


TH-42PHD8BK/BS/EK/ES
J-Board (1 of 2) and H3-Board Block Diagram

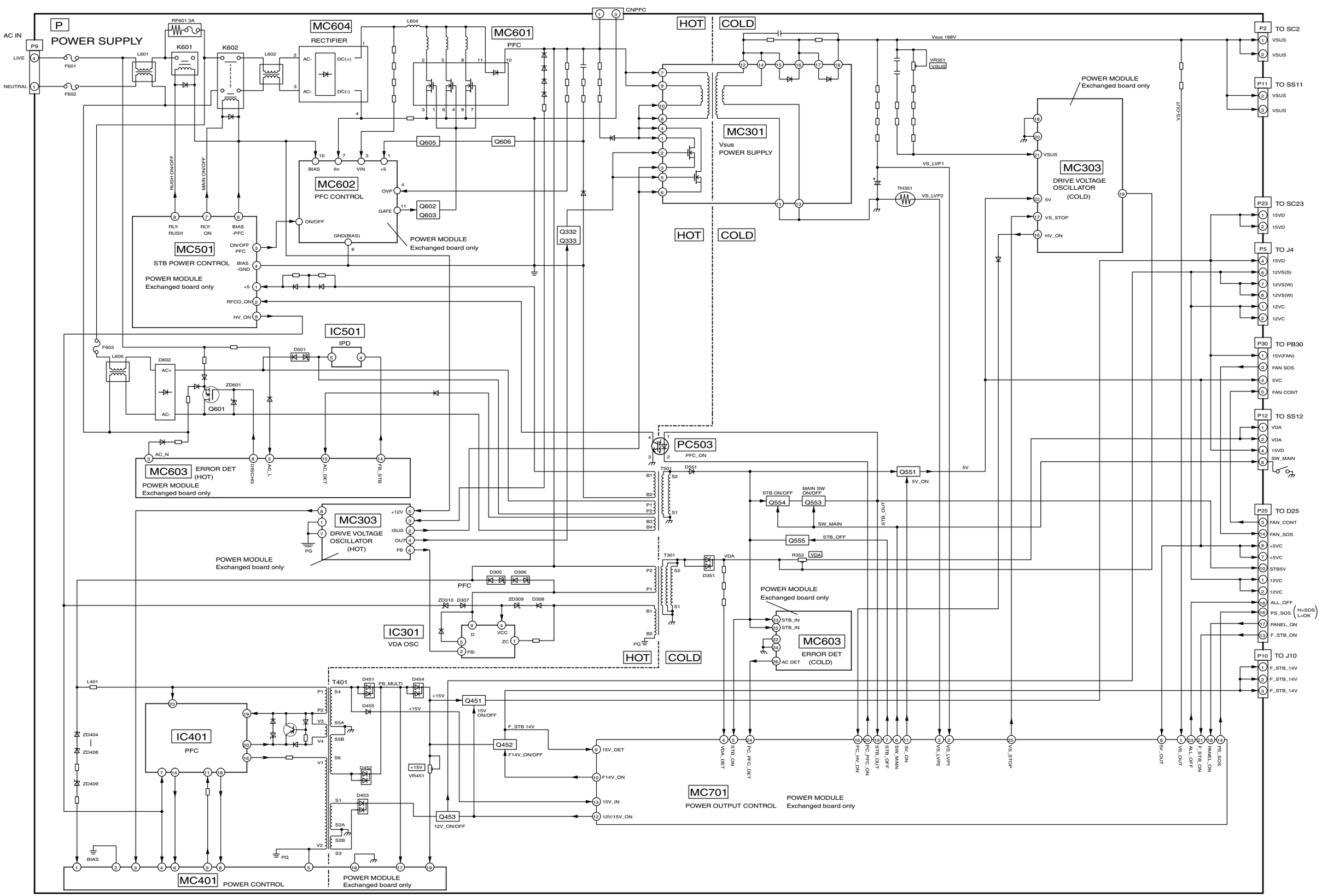
J SLOT INTERFACE/SYNC PROCESSOR/SOUND PROCESSOR



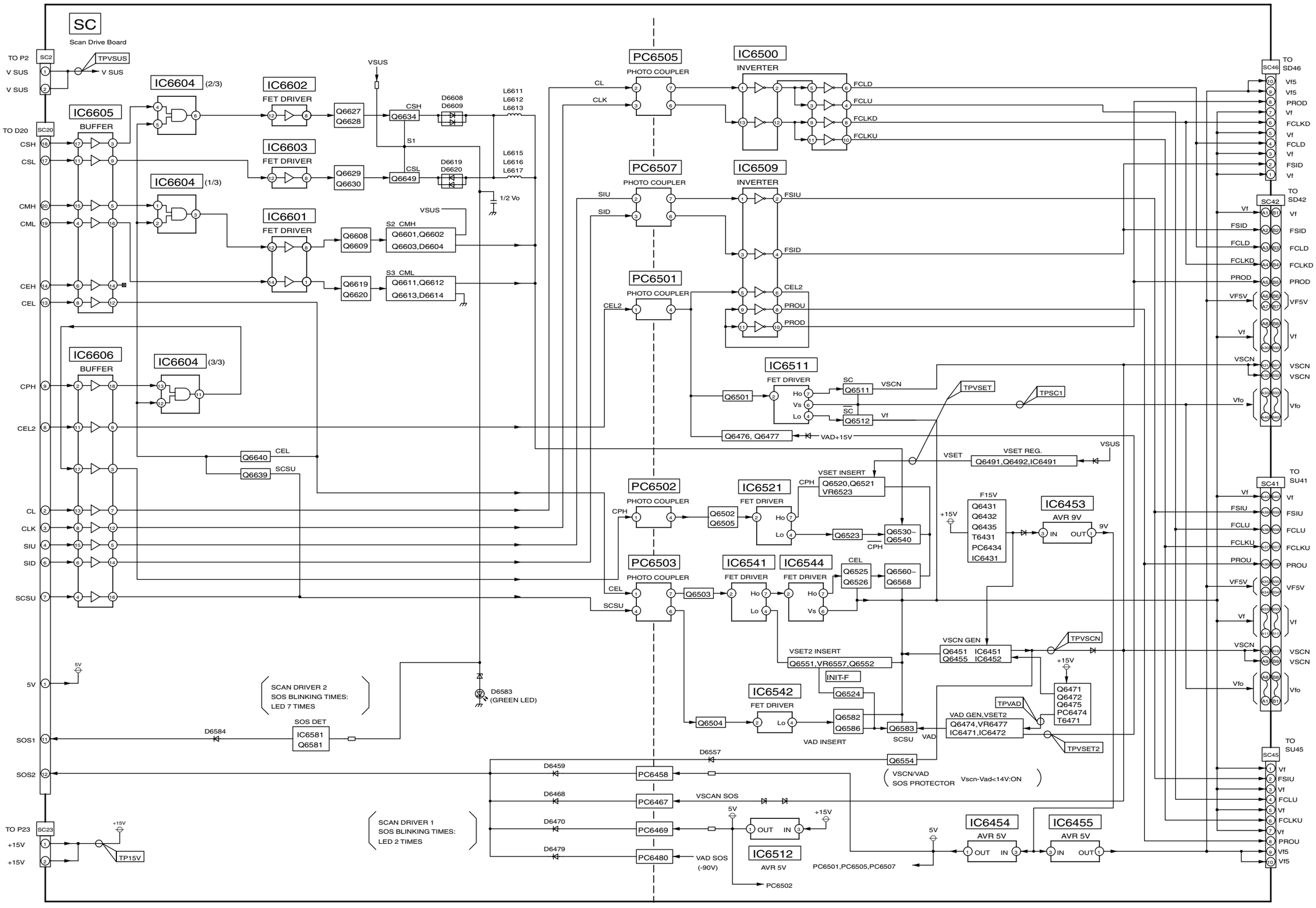
TH-42PHD8BK/BS/EK/ES
J-Board (2 of 2) Block Diagram



TH-42PHD8BK/BS/EK/ES
Main Block Diagram

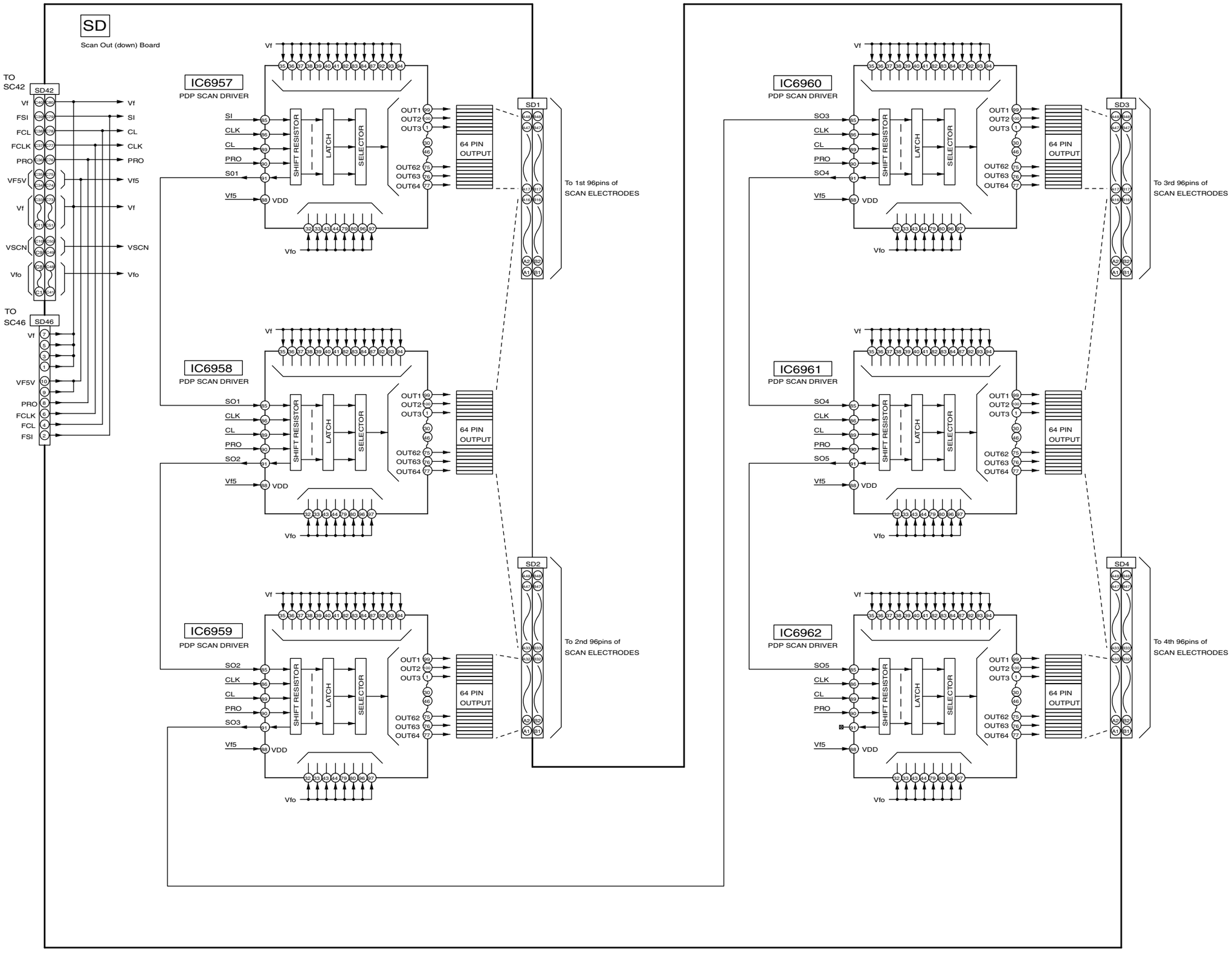


TH-42PHD8BK/BS/EK/ES
P-Board Block Diagram



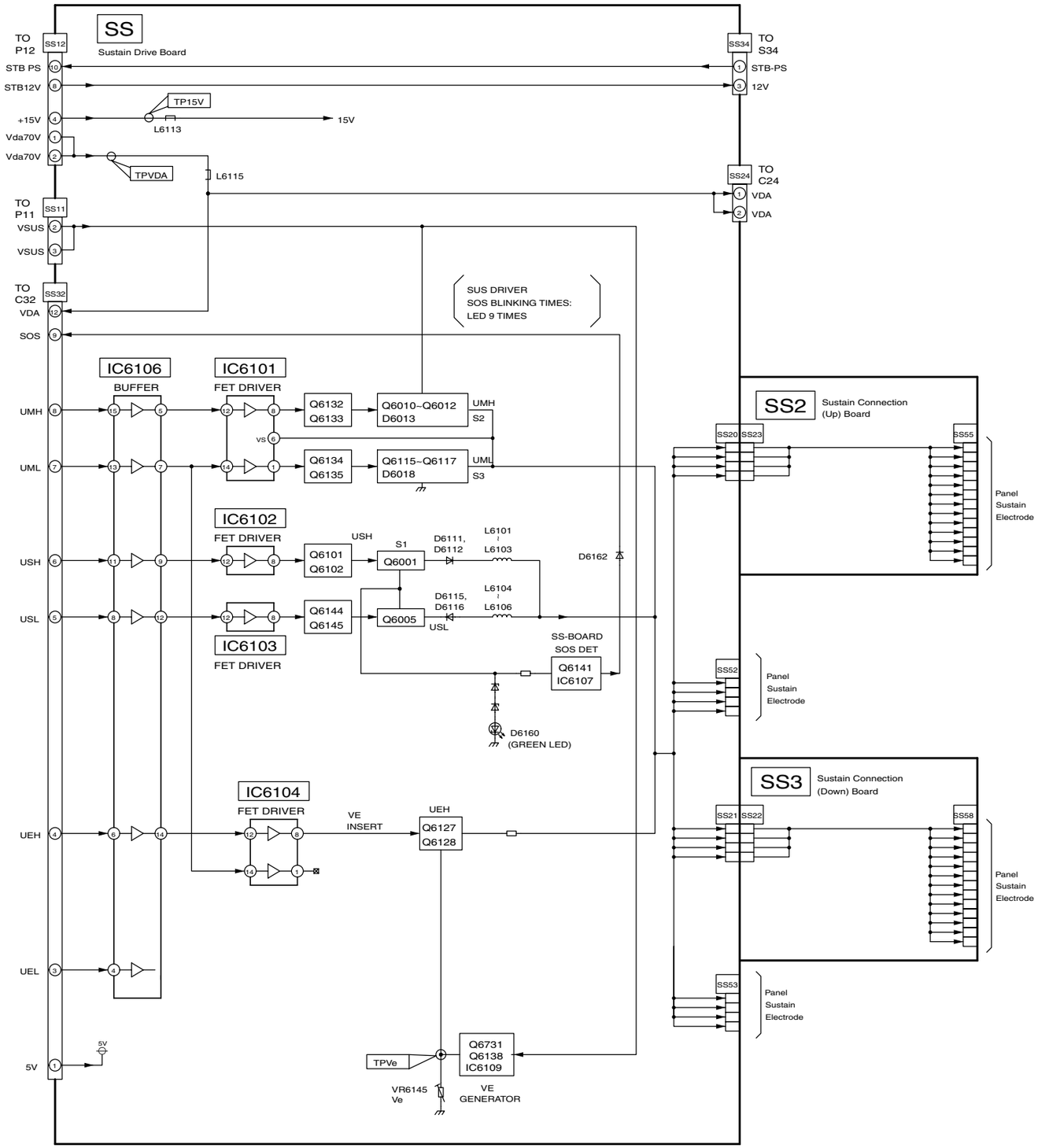
TH-42PHD8BK/BS/EK/ES
SC-Board Block Diagram

TH-42PHD8BK/BS/EK/ES
SC-Board Block Diagram

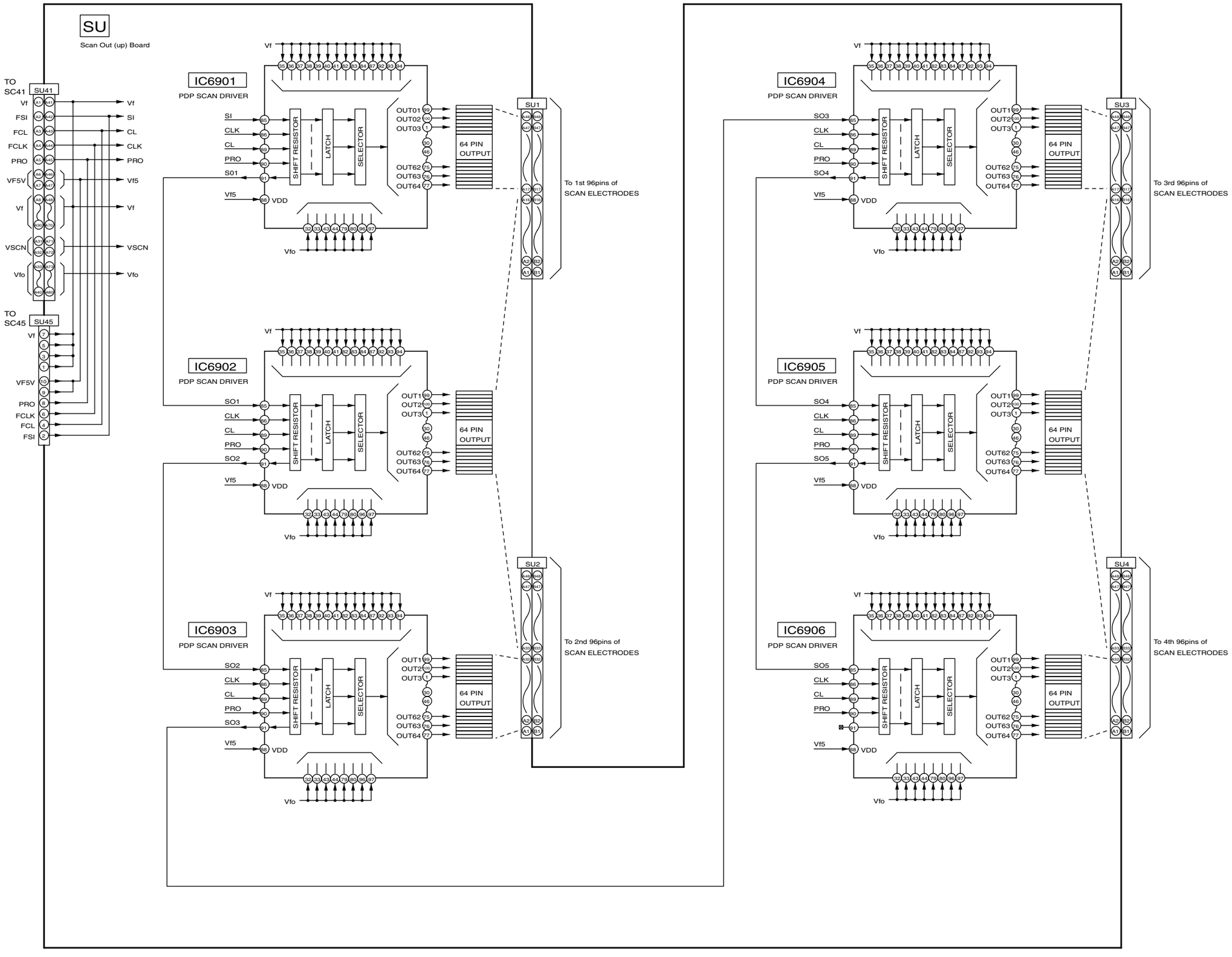


TH-42PHD8BK/BS/EK/ES
SD-Board Block Diagram

TH-42PHD8BK/BS/EK/ES
SD-Board Block Diagram



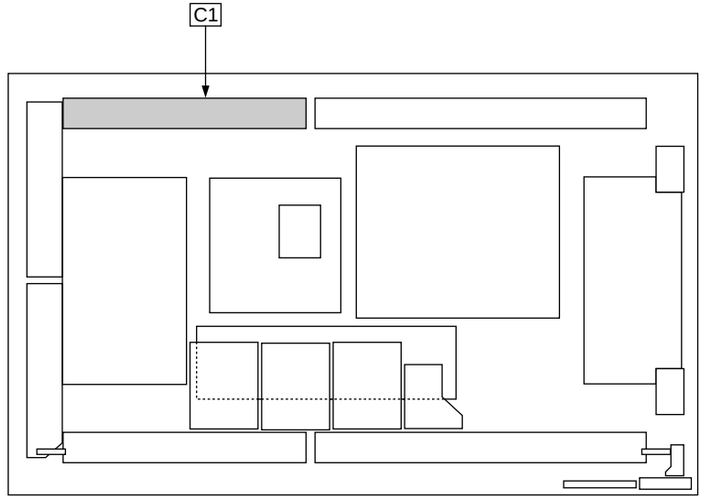
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SS, SS2 and SS3-Board Block Diagram



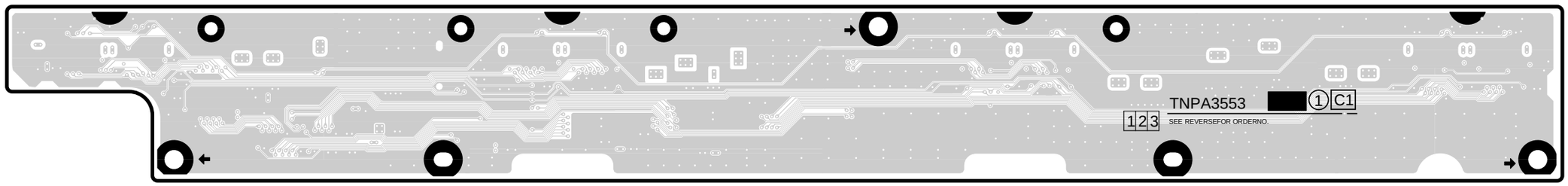
TH-42PHD8BK/BS/EK/ES
SU-Board Block Diagram

Parts Location

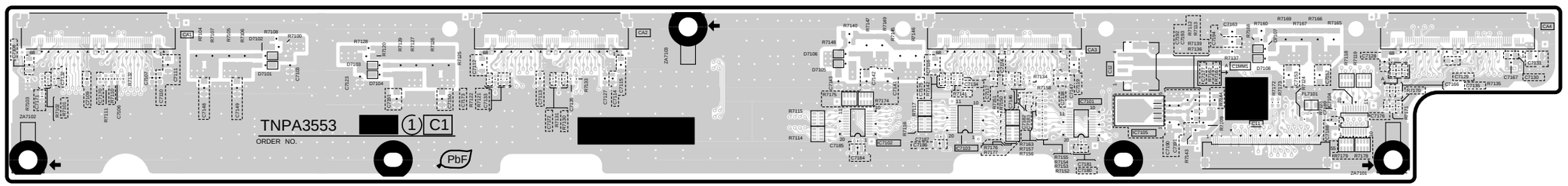
C1-BOARD	
IC	
IC7101	F-2
IC7102	E-2
IC7103	F-2
IC7104	G-2
IC7105	F-2



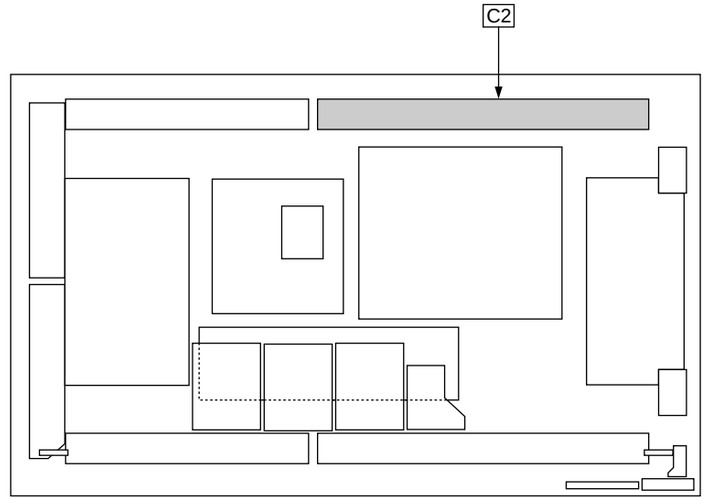
C1-BOARD (FOIL SIDE)
TNPA3553AB



C1-BOARD (COMPONENT SIDE)
TNPA3553AB



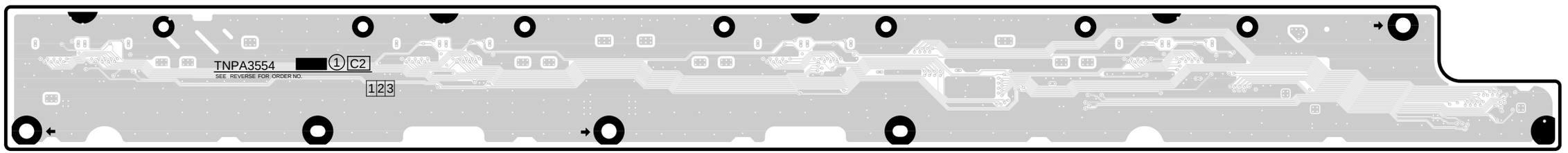
TH-42PHD8BK/BS/EK/ES
C1-BOARD TNPA3553AB



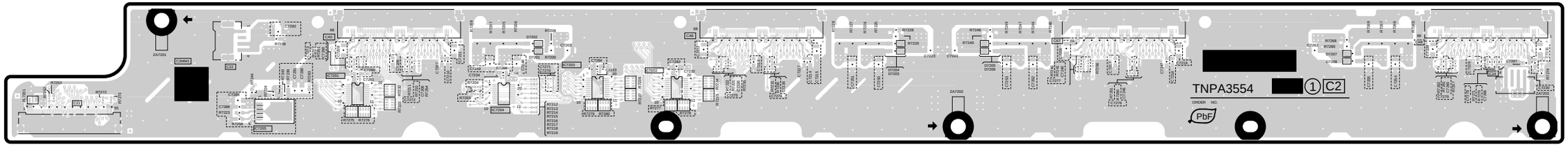
Parts Location

C2-BOARD	
IC	
IC7201	C-2
IC7202	D-2
IC7203	D-2
IC7204	C-2
IC7205	B-1

C2-BOARD (FOIL SIDE)
TNPA3554AB



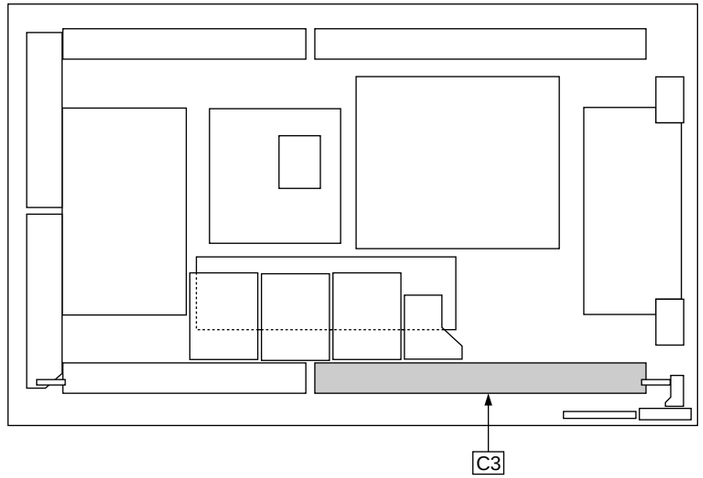
C2-BOARD (COMPONENT SIDE)
TNPA3554AB



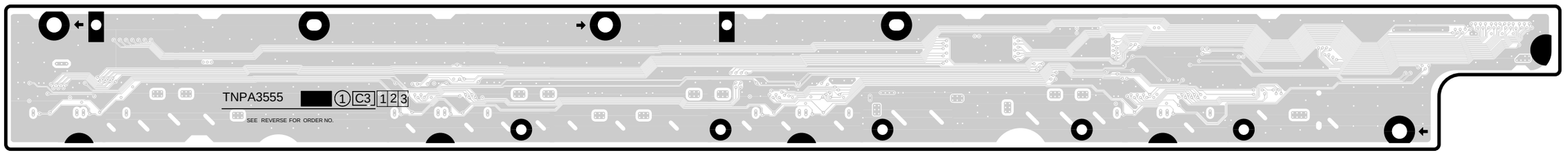
TH-42PHD8BK/BS/EK/ES
C2-BOARD TNPA3554AB

Parts Location

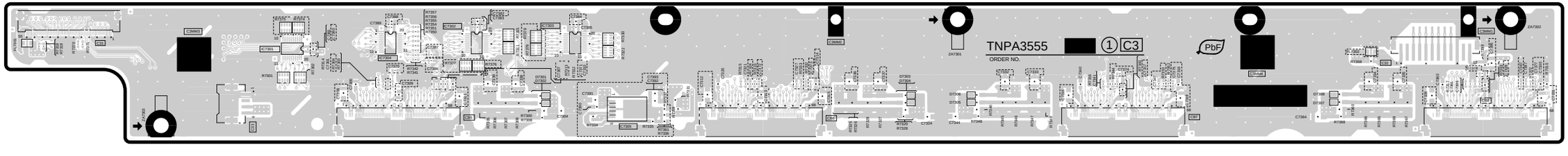
C3-BOARD	
IC	
IC7301	B-2
IC7302	C-2
IC7303	C-2
IC7304	D-2
IC7305	D-1



C3-BOARD (FOIL SIDE)
TNPA3555



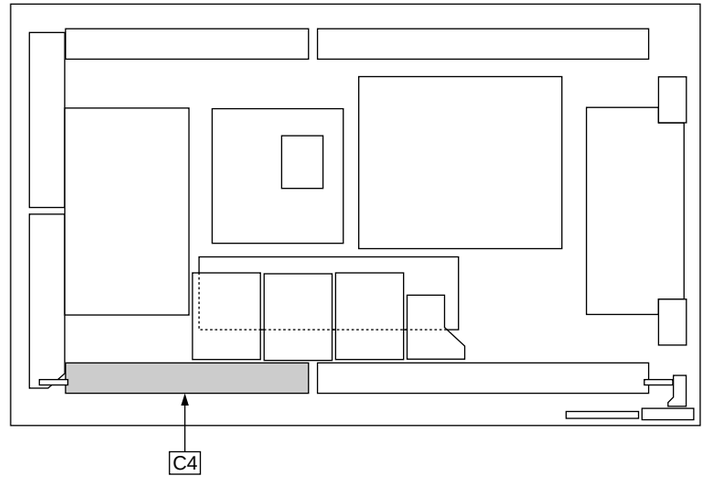
C3-BOARD (COMPONENT SIDE)
TNPA3555



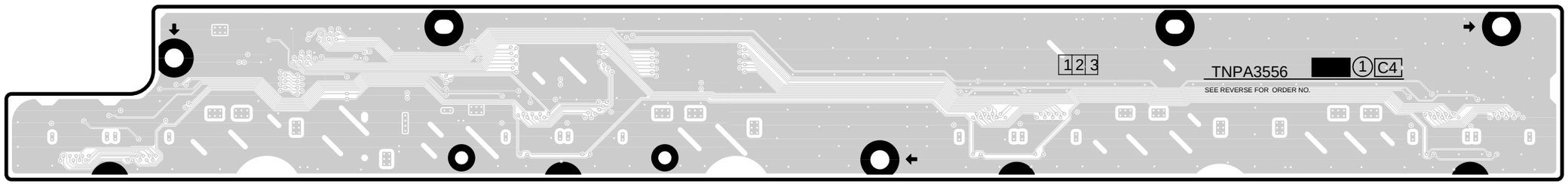
TH-42PHD8BK/BS/EK/ES
C3-BOARD TNPA3555

Parts Location

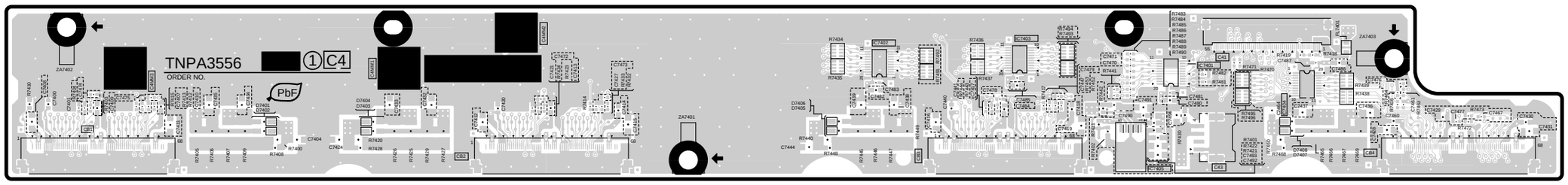
C4-BOARD	
IC	
IC7401	G-2
IC7402	E-2
IC7403	F-2
IC7404	G-2
IC7405	F-1



C4-BOARD (FOIL SIDE)
TNPA3556

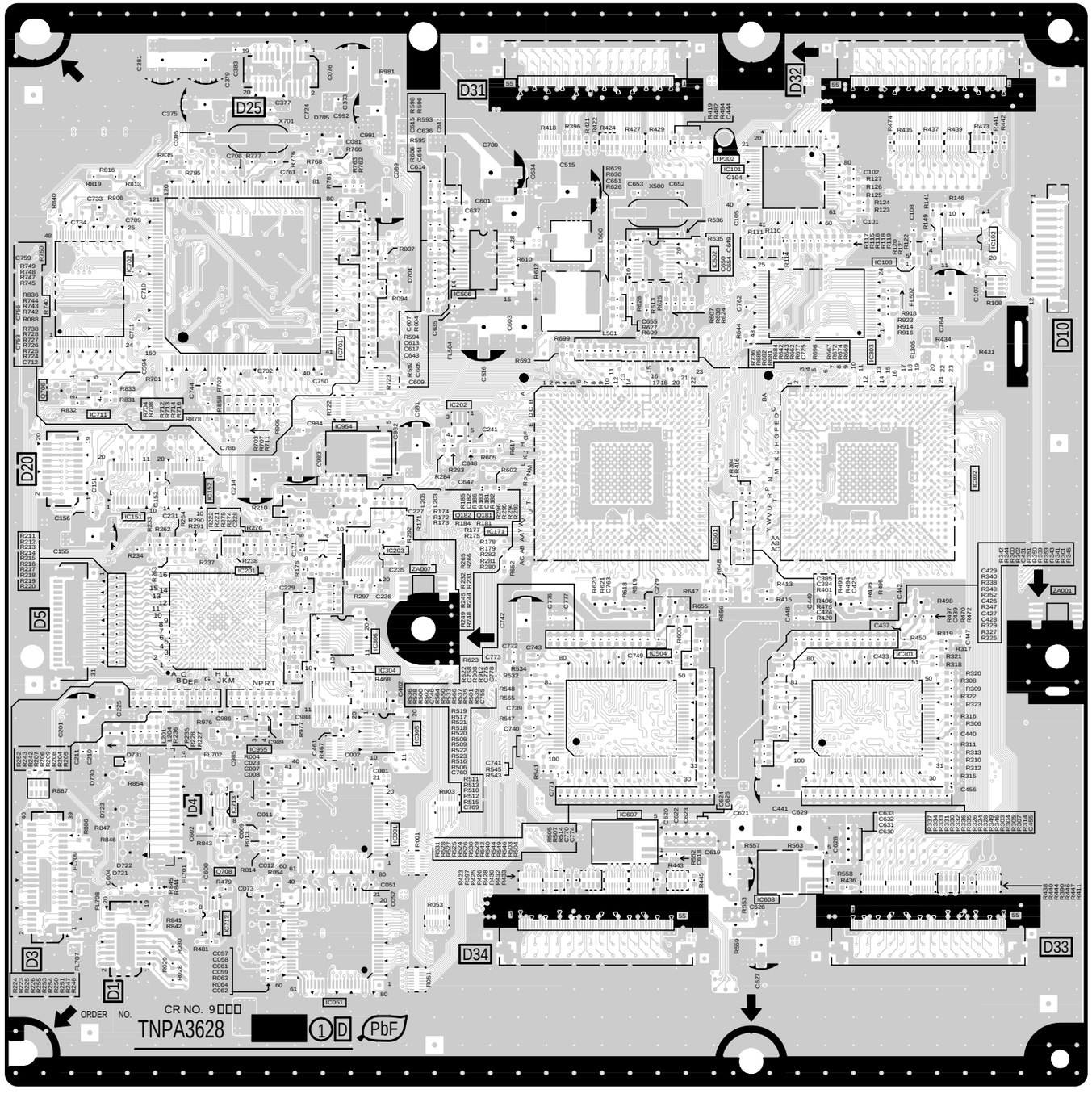


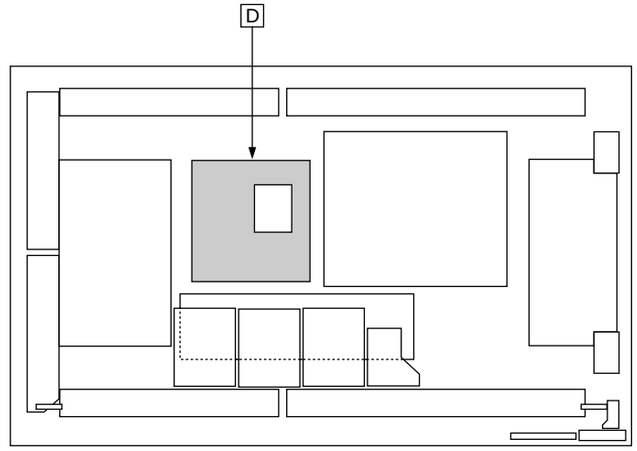
C4-BOARD (COMPONENT SIDE)
TNPA3556



TH-42PHD8BK/BS/EK/ES
C4-BOARD TNPA3556

D-BOARD (COMPONENT SIDE)
TZTNP01YQSE (TH-42PHD8BK/BS/EK/ES)



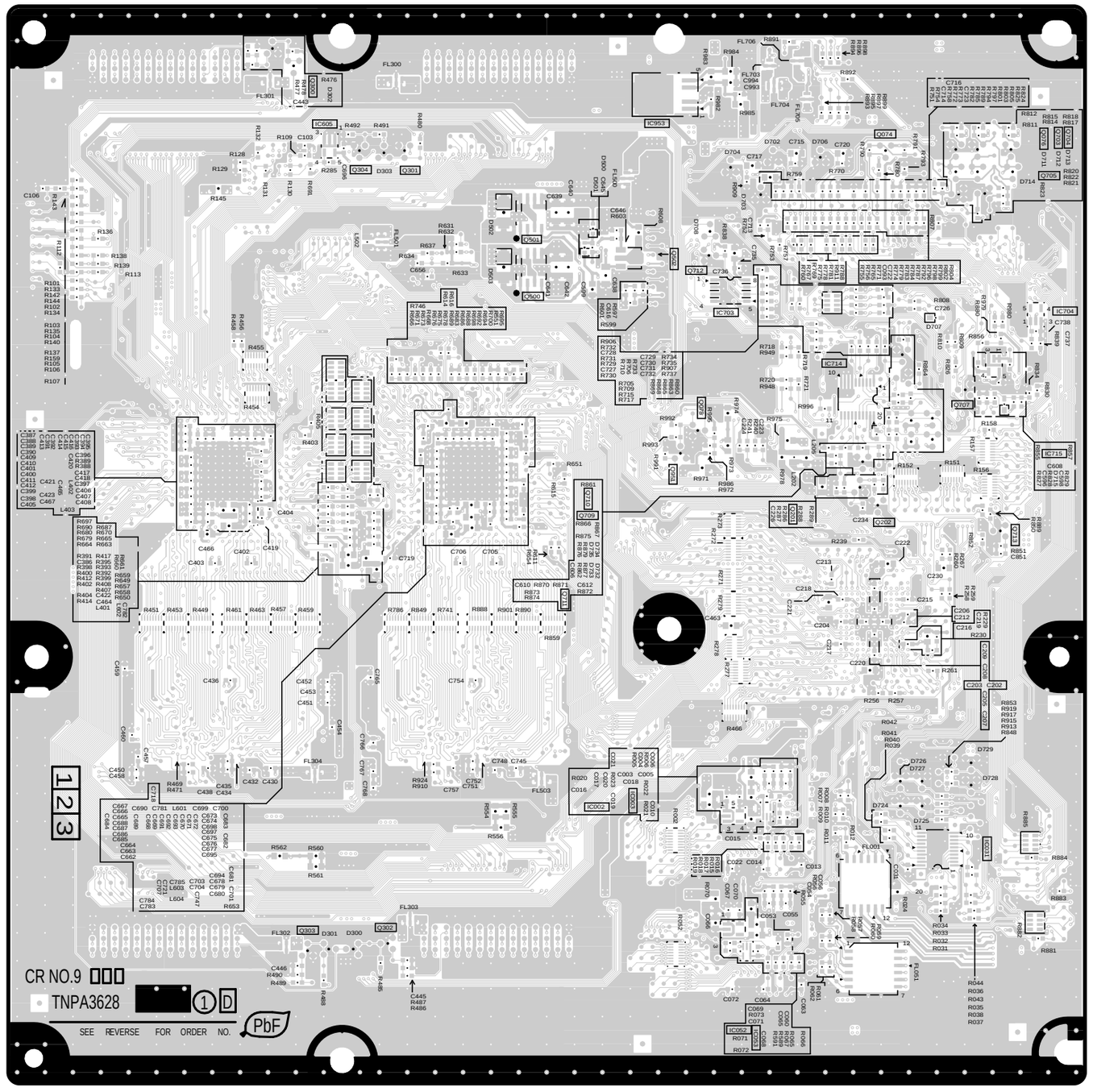


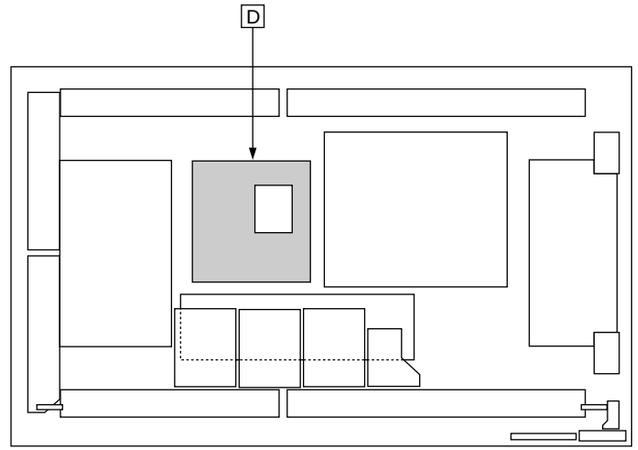
Parts Location

D-BOARD (COMPONENT SIDE)			
IC		IC9607	E-2
IC9001	D-2	IC9608	E-2
IC9051	C-1	IC9701	C-4
IC9101	E-5	IC9702	B-5
IC9102	F-5	IC9711	B-4
IC9103	F-5	IC9712	C-2
IC9151	B-3	IC9713	C-2
IC9152	C-4	IC9954	C-4
IC9171	D-3	IC9955	C-2
IC9201	C-3	**TRANSISTOR**	
IC9202	D-4	Q9181	D-3
IC9203	D-3	Q9182	D-3
IC9301	F-3	Q9706	B-4
IC9302	F-4	Q9708	C-2
IC9303	F-4	**TP**	
IC9304	C-3	TP302	E-5
IC9305	D-2		
IC9306	C-3		
IC9501	E-3		
IC9502	E-5		
IC9504	E-3		
IC9506	D-4		

TH-42PHD8BK/BS/EK/ES
D-BOARD TZTNP01YQSE

D-BOARD (FOIL SIDE)
TZTNP01YQSE (TH-42PHD8BK/BS/EK/ES)



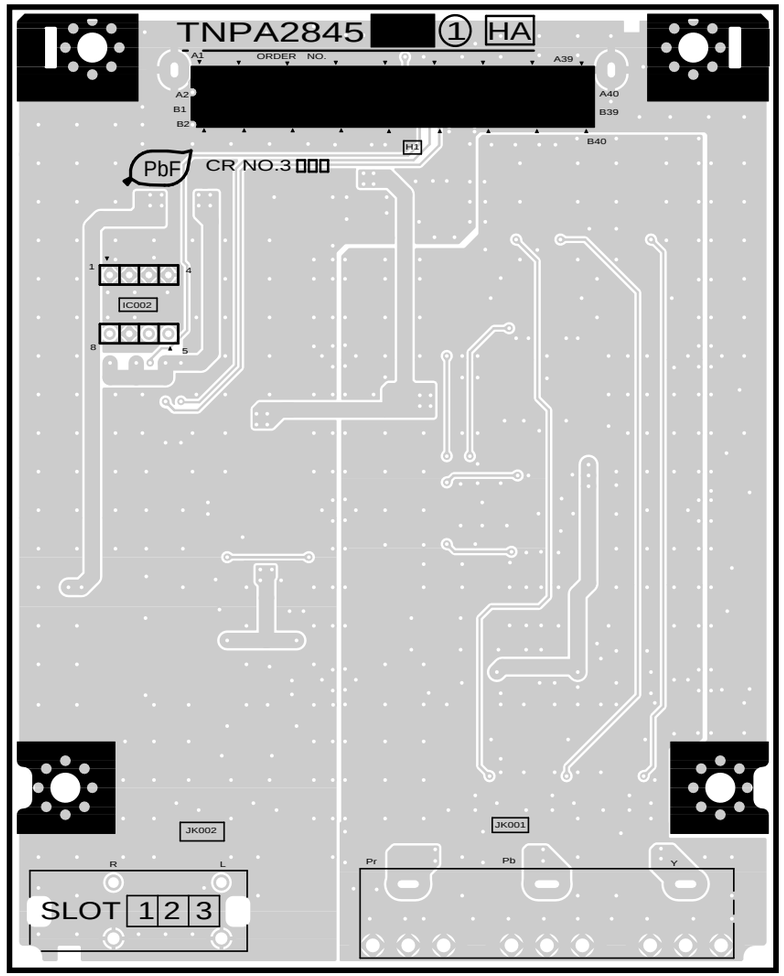


Parts Location

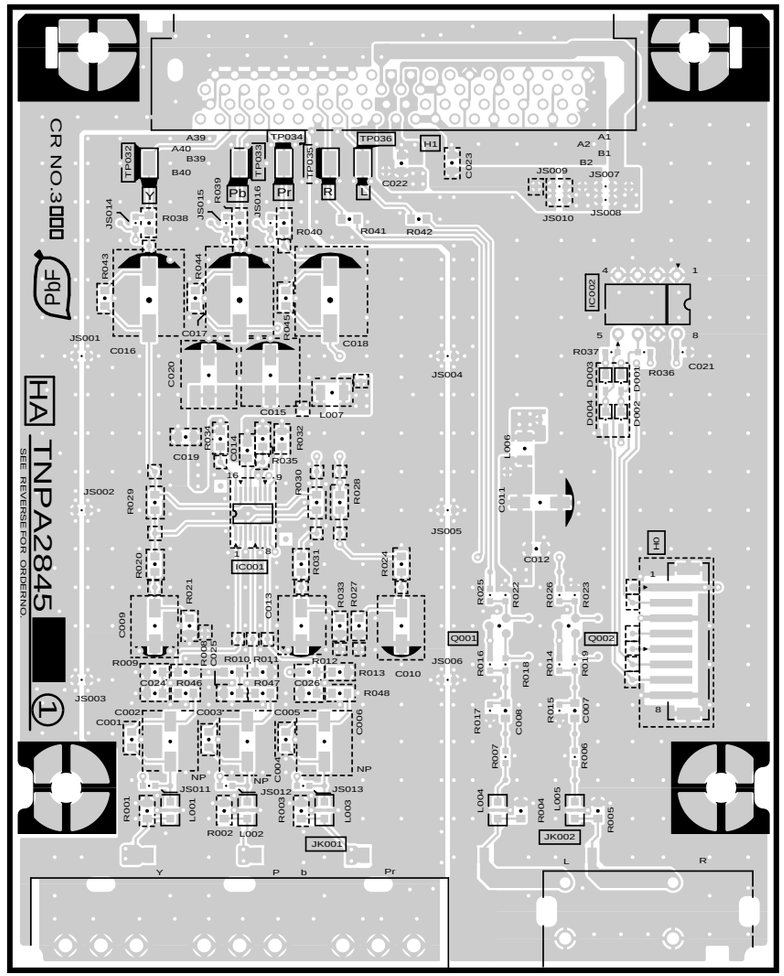
D-BOARD (FOIL SIDE)			
IC		**TRANSISTOR**	
IC9002	D-2	Q9074	F-5
IC9003	E-2	Q9076	F-5
IC9031	F-2	Q9078	E-4
IC9052	E-1	Q9201	E-3
IC9053	E-1	Q9202	F-3
IC9605	C-5	Q9300	C-5
IC9703	G-4	Q9301	D-5
IC9704	E-4	Q9302	C-2
IC9714	F-4	Q9303	C-2
IC9715	F-4	Q9304	C-5
IC9953	E-5	Q9500	D-4
		Q9501	D-5
		Q9502	E-5
		Q9703	G-5
		Q9704	G-5
		Q9705	F-5
		Q9707	F-4
		Q9709	D-3
		Q9710	D-4
		Q9711	D-3
		Q9712	E-5
		Q9713	F-3
		Q9951	E-4

TH-42PHD8BK/BS/EK/ES
D-BOARD TZTNP01YQSE

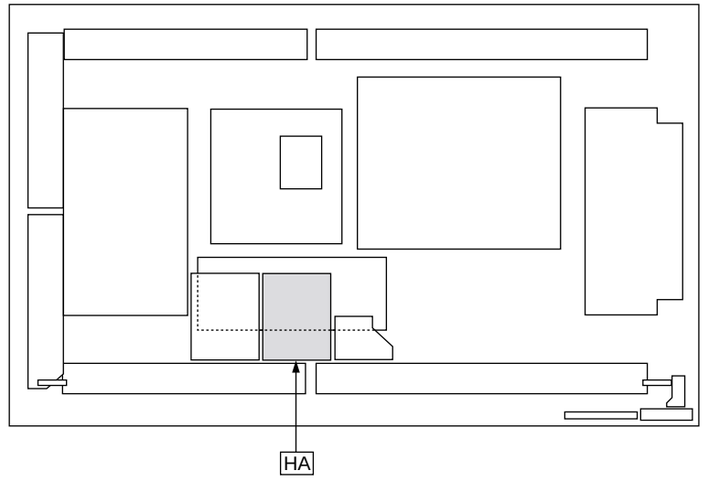
HA-BOARD(FOIL SIDE)
TXNHA10RBS



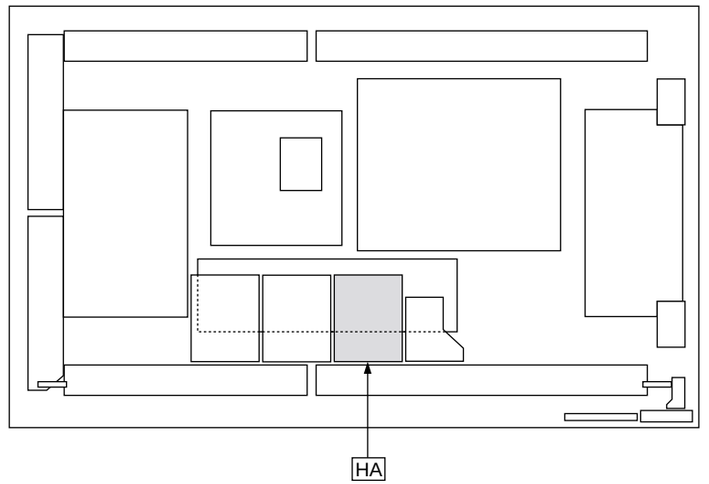
HA-BOARD(COMPONENT SIDE)
TXNHA10RBS



37PHD8UK



42PHD8UK

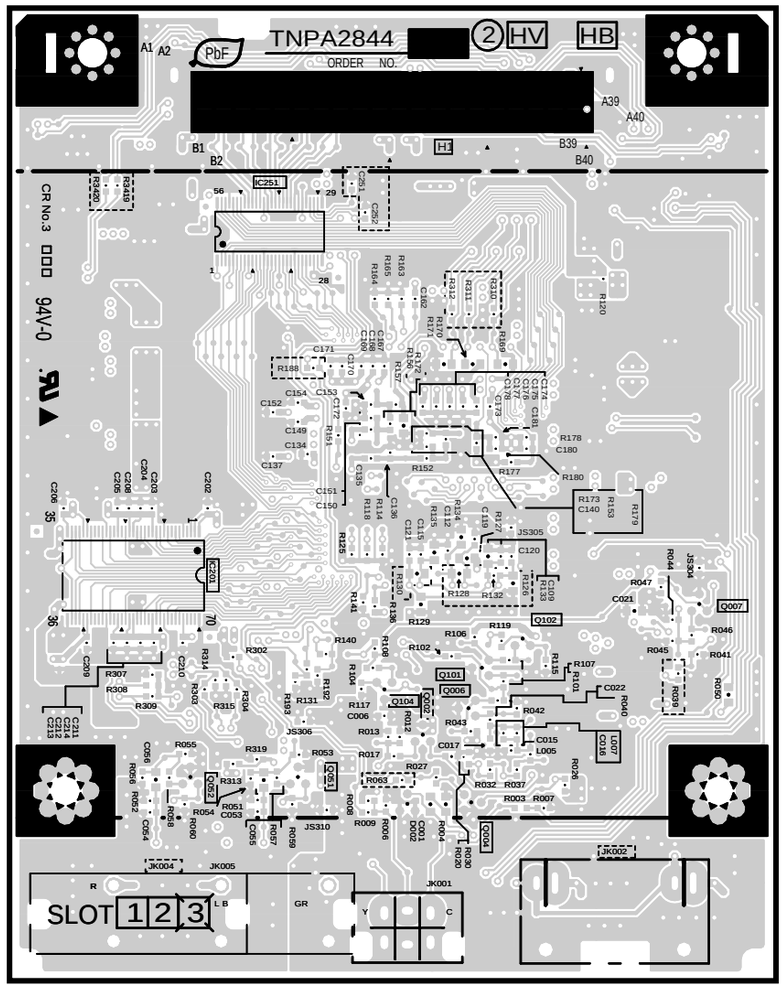


Parts Location

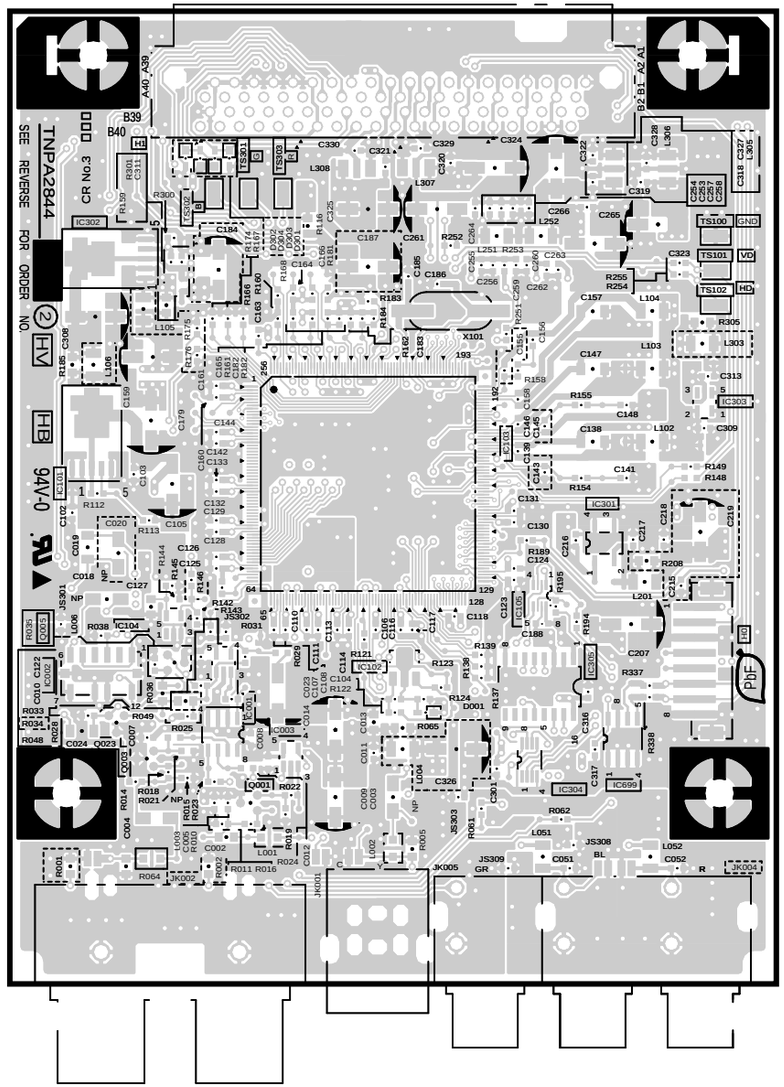
HA-BOARD			
IC		**TP**	
IC3001	E-3	TP3032	E-4
IC3002	F-4	TP3033	E-4
TRANSISTOR		TP3034	E-4
Q3001	F-2	TP3035	E-4
Q3002	F-2	TP3036	E-4

TH-37/42PHD8UK
HA-BOARD TXNHA10RBS

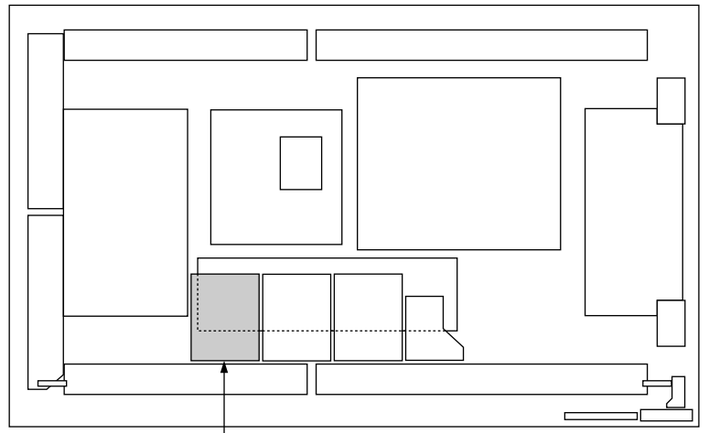
HB-BOARD (FOIL SIDE)
TNPA2844AB (TH-42PHD8BK/BS/EK/ES)



HB-BOARD(COMPONENT SIDE)
TNPA2844AB (TH-42PHD8BK/BS/EK/ES)



42PHD8



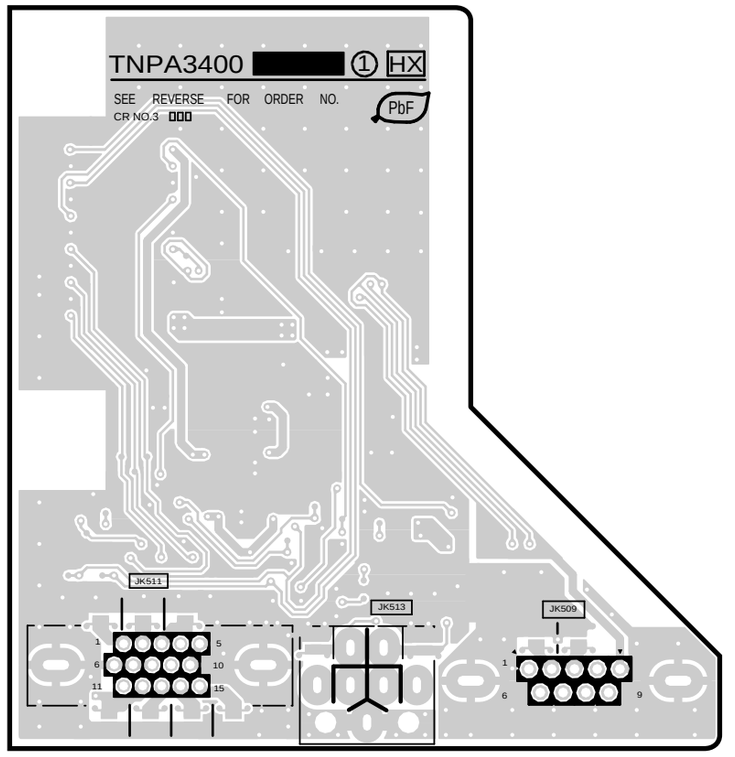
HB 42PHD8BK/BS/EK/ES

Parts Location

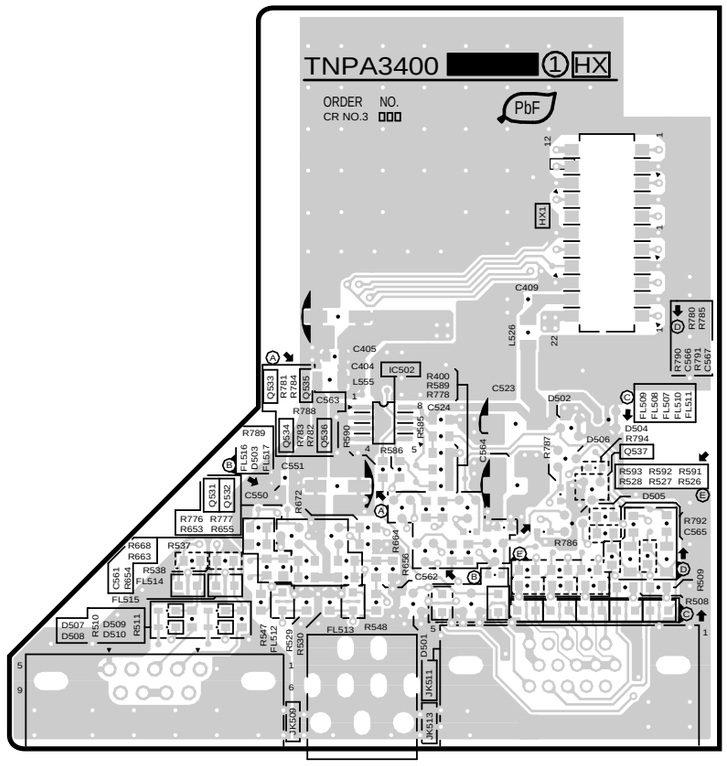
HB-BOARD			
IC		**TRANSISTOR**	
IC3001	E-2	Q3001	E-2
IC3002	D-2	Q3002	B-2
IC3003	E-2	Q3003	E-2
IC3101	D-3	Q3004	C-2
IC3102	E-2	Q3005	D-2
IC3103	F-3	Q3006	B-2
IC3104	E-2	Q3007	C-2
IC3105	F-2	Q3023	D-2
IC3201	B-3	Q3051	B-2
IC3251	B-4	Q3052	B-2
IC3301	F-3	Q3101	B-2
IC3302	D-4	Q3102	C-2
IC3303	G-3	Q3104	B-2
IC3304	F-2	**TP**	
IC3305	F-2	TS3100	G-4
IC3699	F-2	TS3101	G-4
		TS3102	G-4
		TS3301	E-4
		TS3302	E-4
		TS3303	E-4

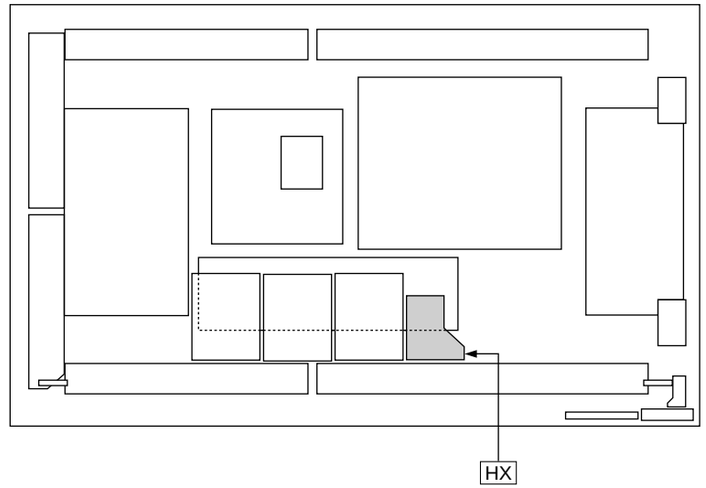
TH-42PHD8BK/BS/EK/ES
HB-BOARD TNPA2844AB

HX-BOARD(FOIL SIDE)
TZTNP020YNS



HX-BOARD(COMPONENT SIDE)
TZTNP020YNS





Parts Location

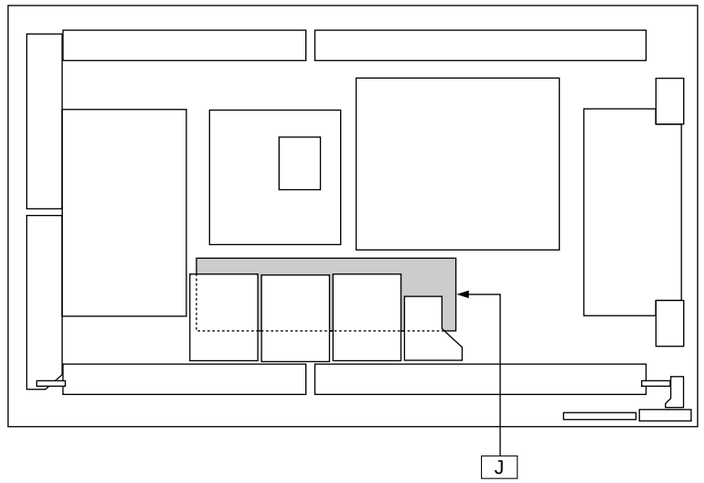
HX-BOARD			
IC		**TRANSISTOR**	
IC3502	E-4	Q3531	D-3
		Q3532	D-3
		Q3533	E-3
		Q3534	E-3
		Q3535	E-3
		Q3536	E-3
		Q3537	F-3

TH-42PHD8BK/BS/EK/ES
HX-BOARD TZTNP020YNS

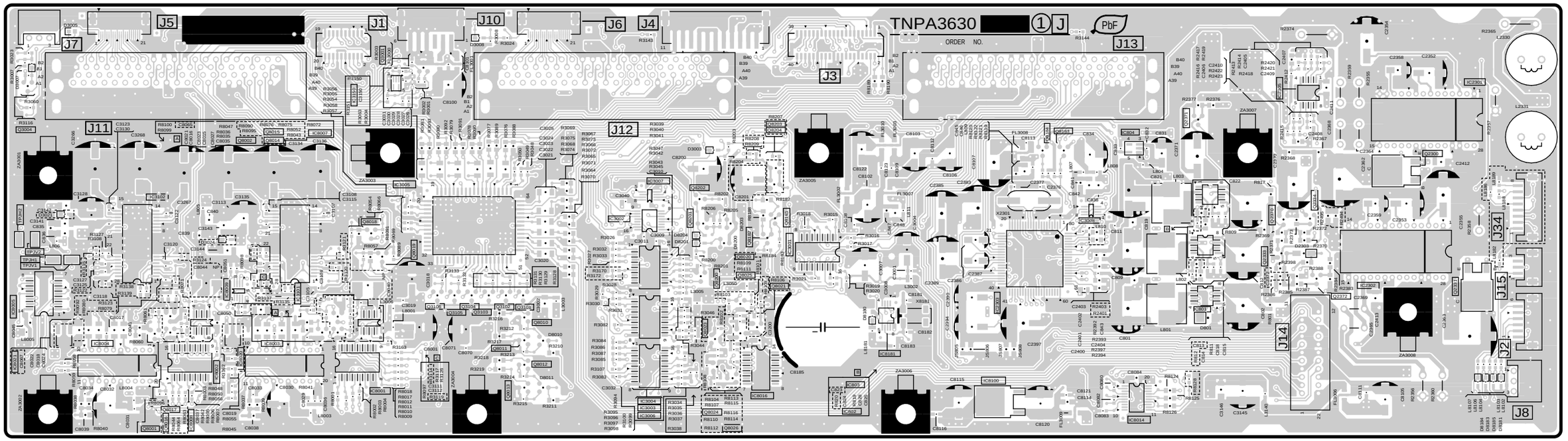
Parts Location

J-BOARD (COMPONENT SIDE)

IC		IC		IC		Q	
IC801	G-2	IC8003	B-2	Q3004	A-3	Q8024	E-2
IC802	E-2	IC8004	A-2	Q3101	D-2	Q8025	E-3
IC803	E-2	IC8005	A-2	Q3102	C-2	Q8026	E-2
IC804	G-3	IC8007	B-3	Q3103	C-2	Q8181	E-2
IC2301	I-4	IC8008	B-2	Q3104	C-2	Q8182	E-3
IC2302	H-3	IC8009	B-3	Q3105	C-2	Q8183	F-3
IC2303	F-2	IC8014	G-2	Q3106	C-2	Q8184	F-3
IC2305	H-4	IC8016	E-2	Q8001	B-2	Q8200	E-3
IC3001	E-3	IC8020	B-2	Q8002	B-3	Q8201	D-3
IC3002	D-3	IC8021	A-2	Q8010	D-2	Q8202	E-3
IC3003	D-2	IC8100	F-2	Q8011	C-2	Q8203	E-3
IC3004	D-2	IC8181	F-2	Q8012	D-2	Q8204	E-3
IC3005	C-3	**TRANSISTOR**		Q8013	C-2	**TP**	
IC3006	D-2	Q2300	H-3	Q8014	B-3	TPJH1	A-3
IC3007	D-3	Q2331	I-2	Q8015	B-3	TPJH2	A-3
IC3008	G-3	Q2333	H-3	Q8016	B-2	TPJV1	A-3
IC3101	B-3	Q2334	H-3	Q8017	B-2	TPJV2	A-3
IC3102	B-3	Q2370	H-3	Q8018	C-3		
IC3150	C-4	Q2371	G-2	Q8019	C-3		
IC8001	C-2	Q2372	H-2	Q8020	E-3		
IC8002	B-2	Q3001	C-4	Q8021	E-3		
				Q8023	E-2		



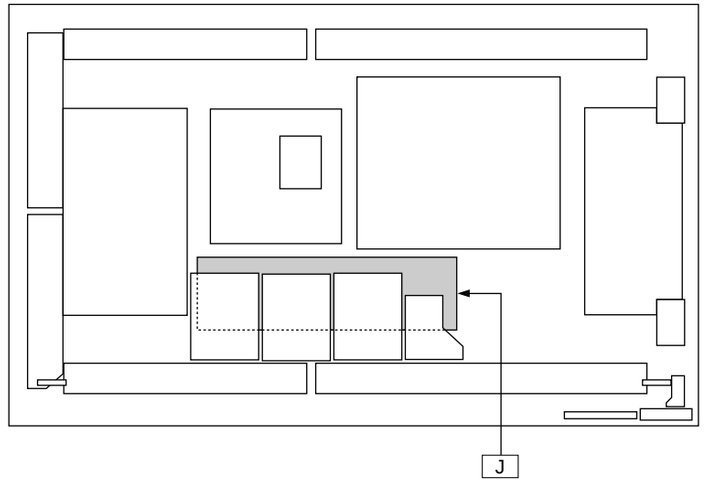
J-BOARD (COMPONENT SIDE)
TNPA3630AB (TH-42PHD8BK/BS/EK/ES)



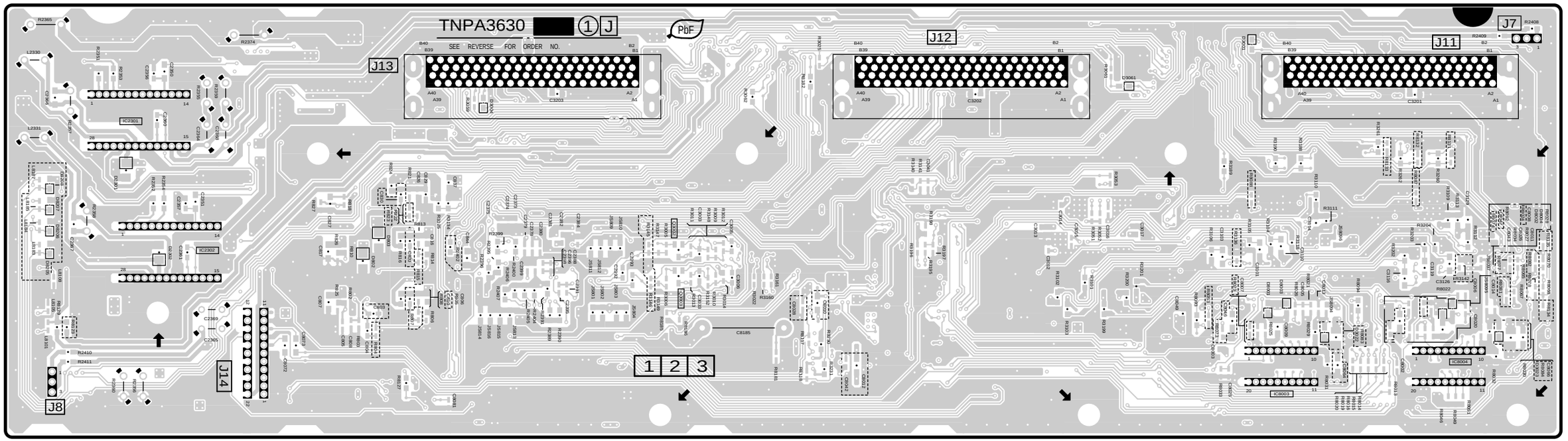
TH-42PHD8BK/BS/EK/ES
J-BOARD TNPA3630AB

Parts Location

J-BOARD (FOIL SIDE)			
IC		**TRANSISTOR**	
IC2301	A-3	Q3002	D-3
IC2302	B-3	Q3003	D-2
IC8003	H-2		
IC8004	I-2		

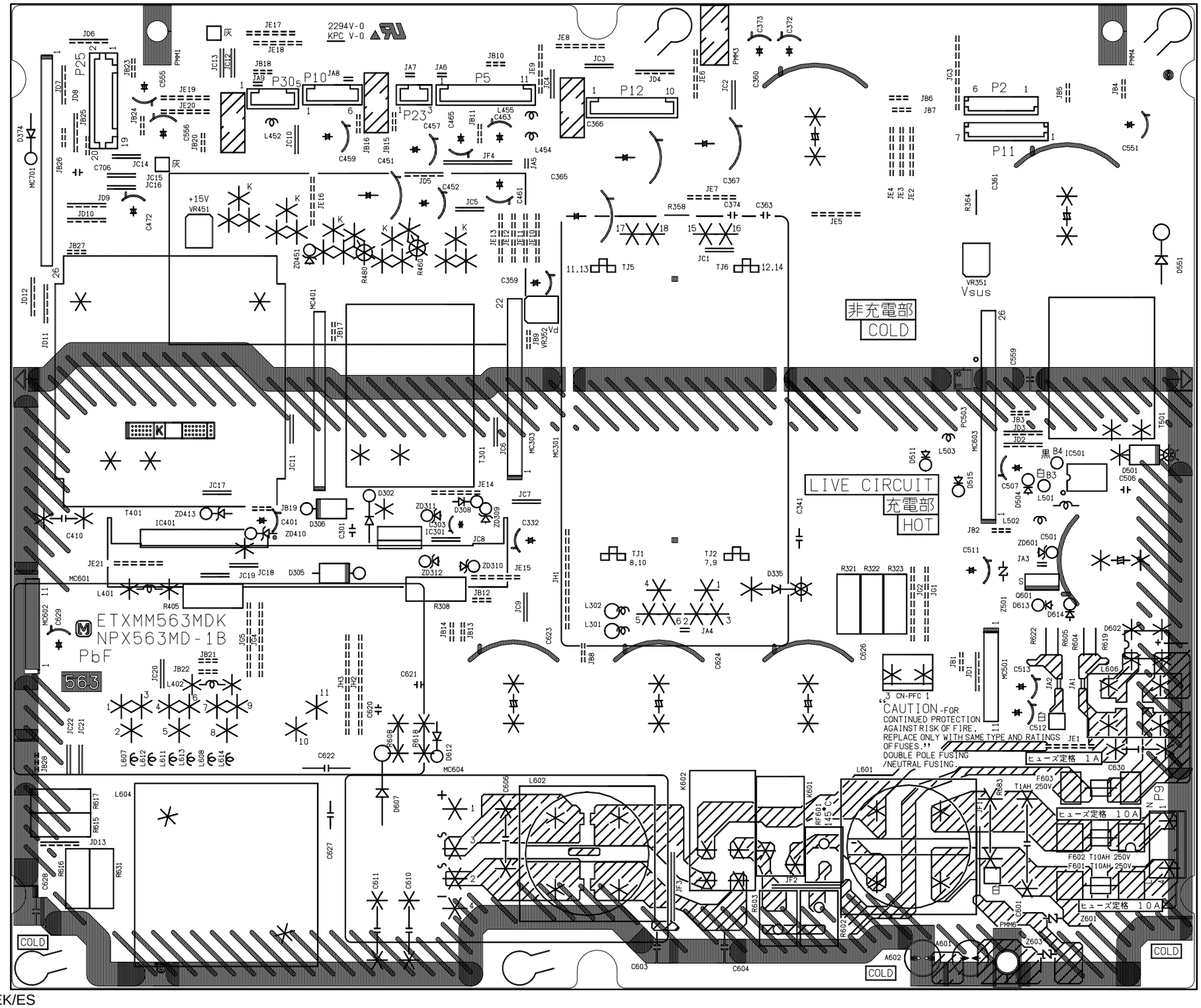


J-BOARD (FOIL SIDE)
TNPA3630AB (TH-42PHD8BK/BS/EK/ES)



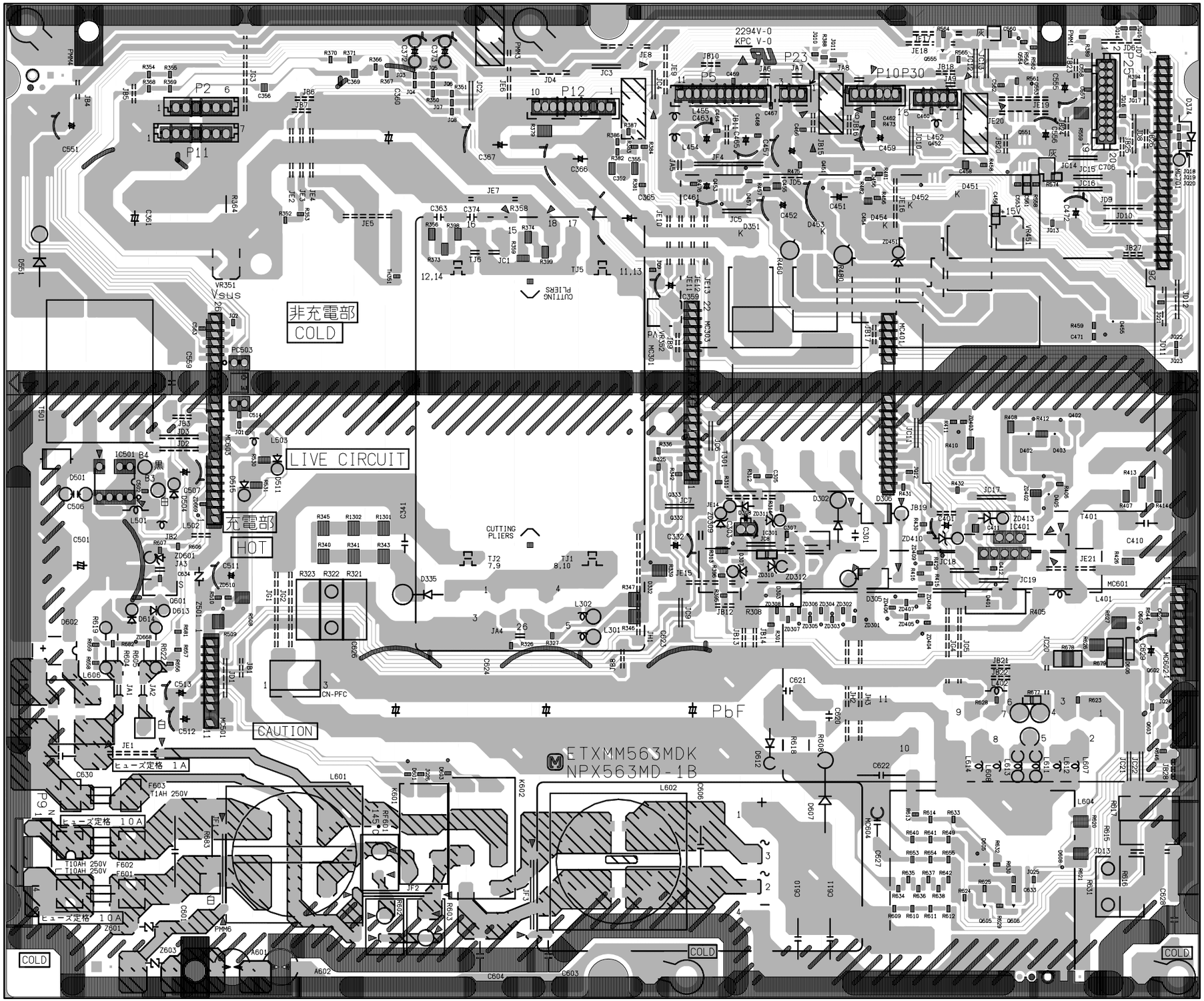
TH-42PHD8BK/BS/EK/ES
J-BOARD TNPA3630AB

P-BOARD (COMPONENT SIDE)
ETXMM563MDK



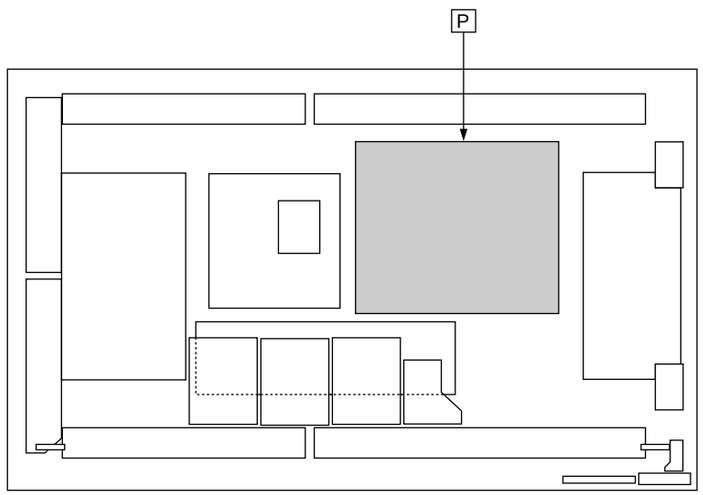
TH-42PHD8BK/BS/EK/ES
P-BOARD ETXMM563MDK

P-BOARD (FOIL SIDE)
ETXMM563MDK



TH-42PHD8BK/BS/EK/ES
P-BOARD ETXMM563MDK

TH-42PHD8BK/BS/EK/ES
P-BOARD ETXMM563MDK



Parts Location

P-BOARD (FOIL SIDE)			
IC		**TRANSISTOR**	
IC301	E-3	Q332	E-3
IC401	G-3	Q333	E-3
IC501	B-3	Q402	G-4
MC301	D-4	Q451	F-5
MC303	E-4	Q453	E-5
MC401	F-4	Q551	G-5
MC501	B-2	Q554	G-6
MC601	G-2	Q555	F-6
MC602	H-3	Q555	G-6
MC603	C-4	Q602	H-3
MC604	E-1	Q603	H-2
MC701	H-5	Q605	G-1
		Q606	G-1

Parts Location

P-BOARD (COMPONENT SIDE)			
IC		**TRANSISTOR**	
IC301	C-3	Q601	G-3
IC401	B-3		
IC501	G-3		
MC301	E-4		
MC303	D-4		
MC401	C-4		
MC501	G-2		
MC601	B-2		
MC602	A-3		
MC603	G-4		
MC604	D-1		
MC701	A-5		

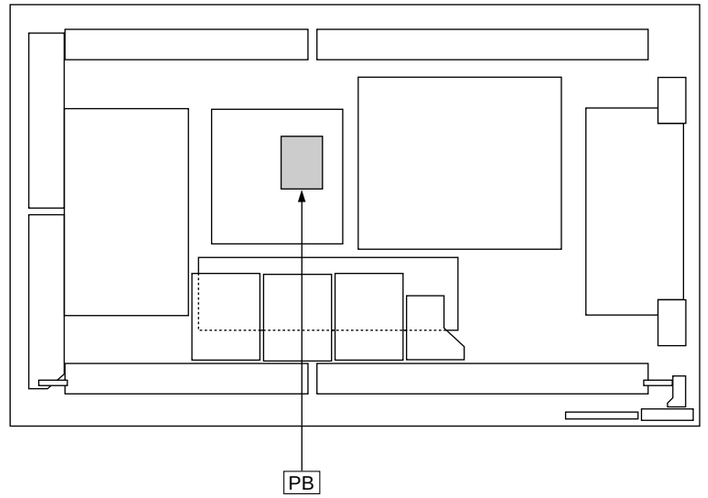
TH-42PHD8BK/BS/EK/ES
P-BOARD PARTS LOCATION

Parts Location

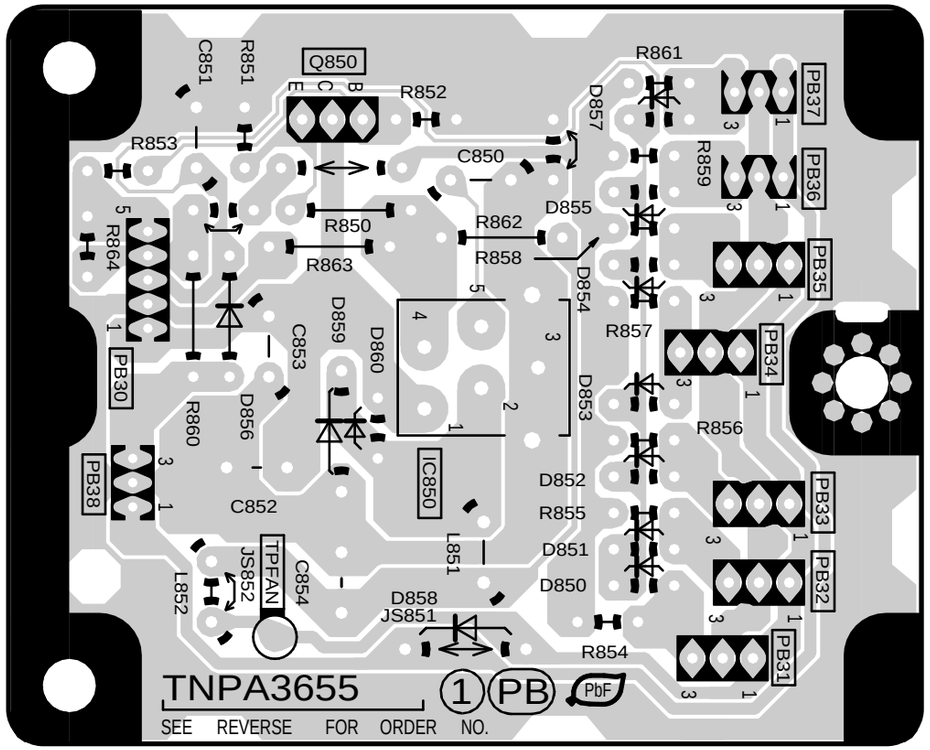
PB-BOARD (FOIL SIDE)			
IC		**TRANSISTOR**	
IC850	C-2	Q850	B-3
		TP	
		TPFAN	B-2

Parts Location

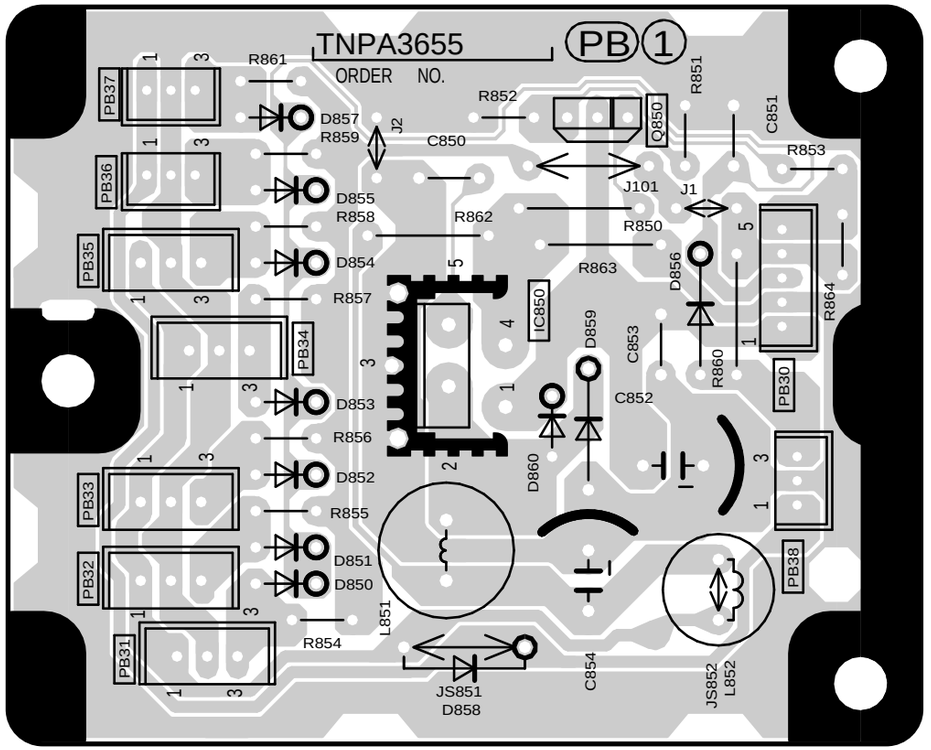
PB-BOARD (COMPONENT SIDE)			
IC		**TRANSISTOR**	
IC850	G-3	Q850	G-3



PB-BOARD (FOIL SIDE)
TNPA3655

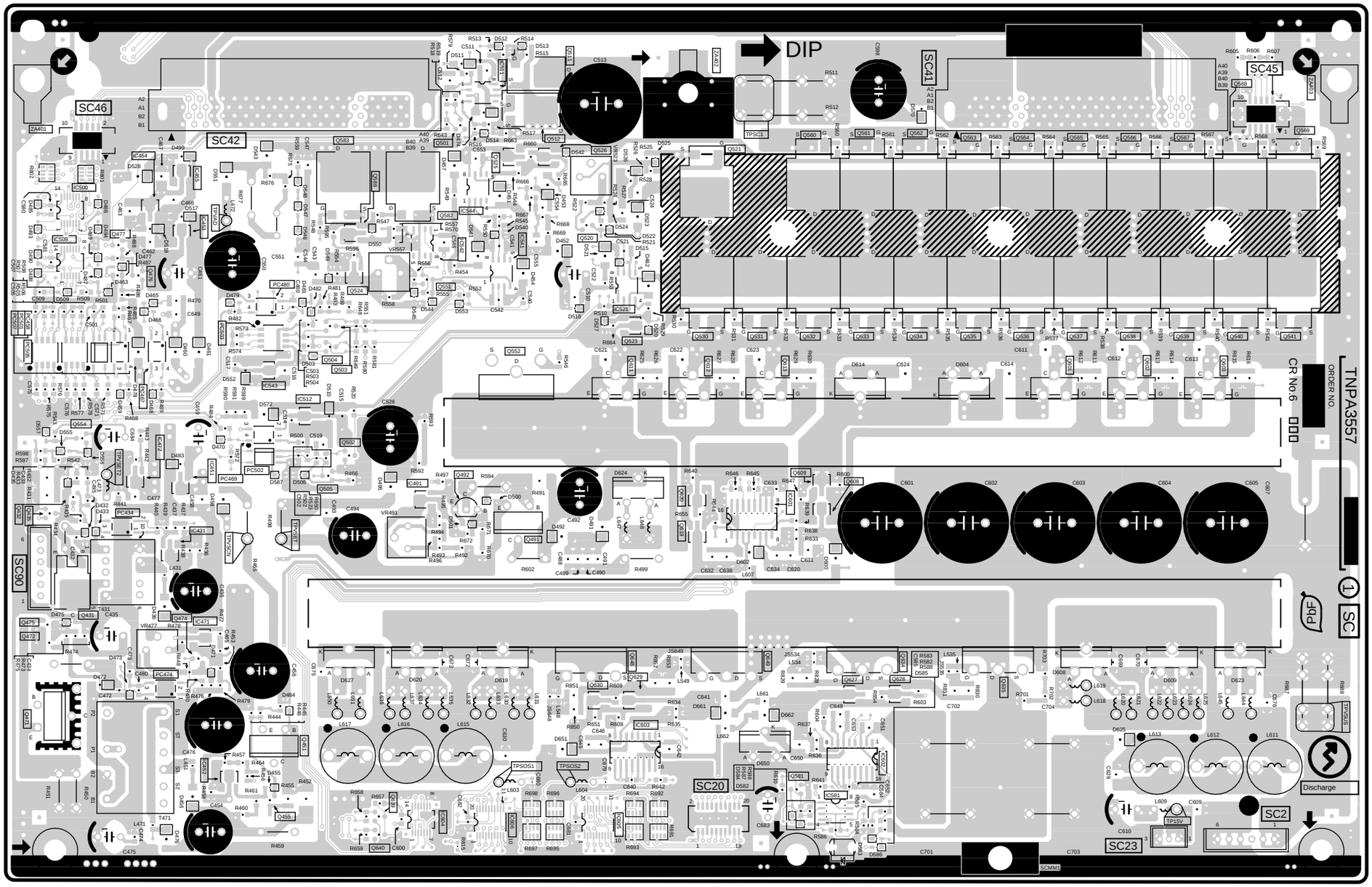


PB-BOARD (COMPONENT SIDE)
TNPA3655



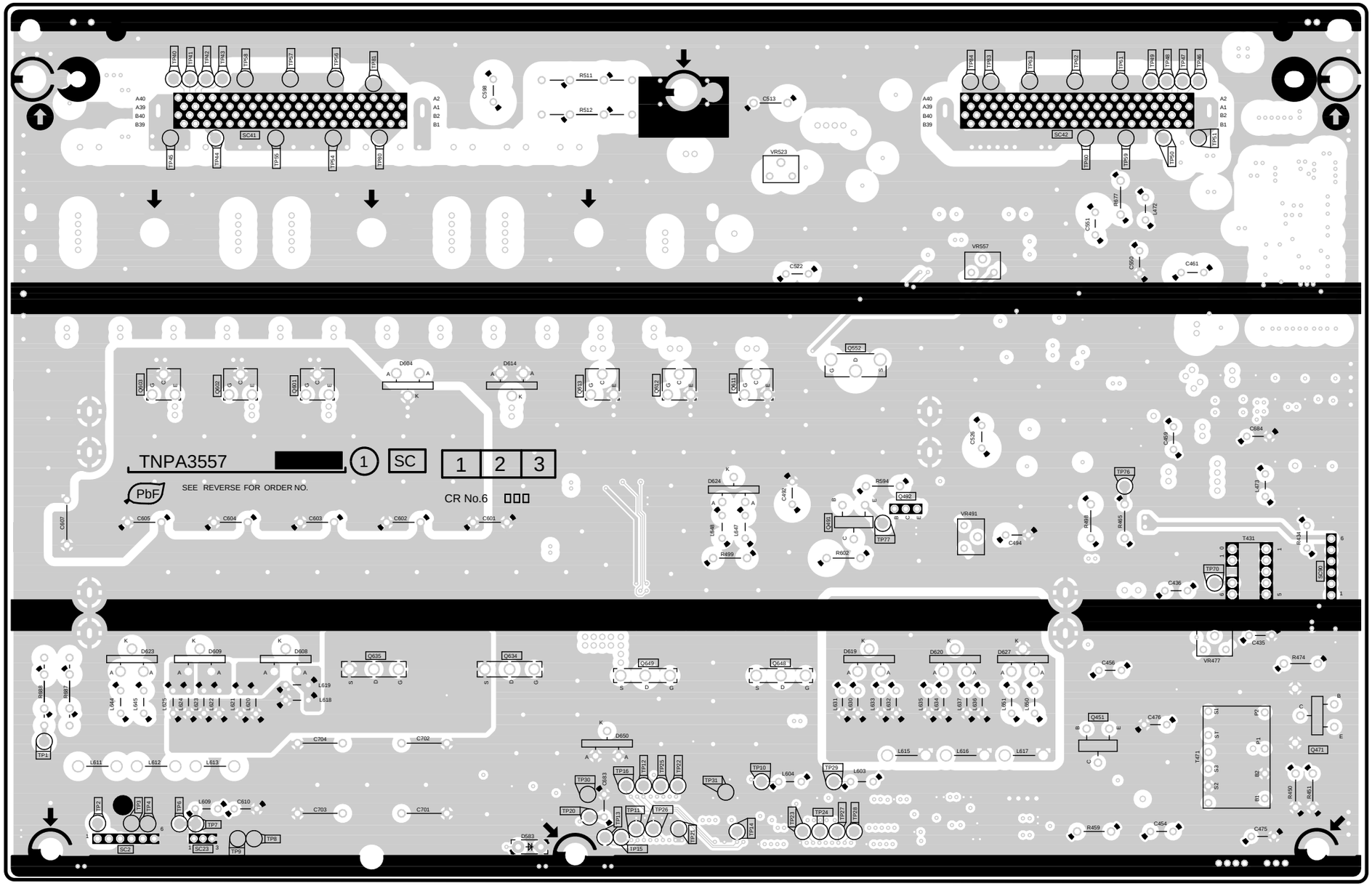
TH-42PHD8BK/BS/EK/ES
PB-BOARD TNPA3655

SC-BOARD (COMPONENT SIDE)
TNPA3557

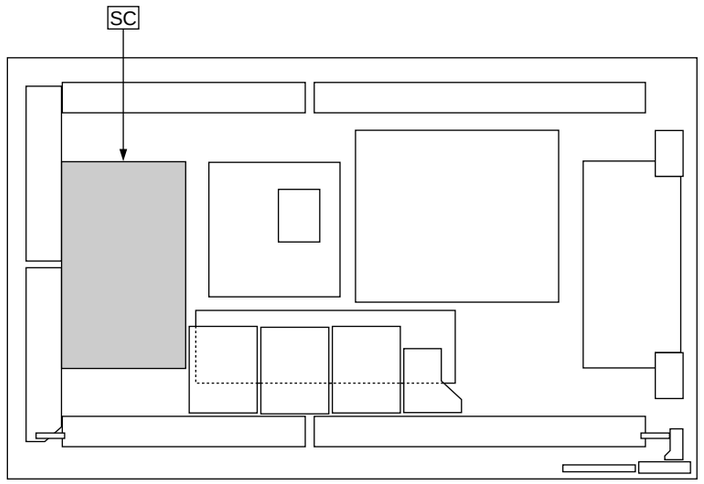


TH-42PHD8BK/BS/EK/ES
SC-BOARD TNPA3557

SC-BOARD (FOIL SIDE)
TNPA3557



TH-42PHD8BK/BS/EK/ES
SC-BOARD TNPA3557



Parts Location

SC-BOARD (FOIL SIDE)

TRANSISTOR		TP			
Q6451	F-2	TP1	A-2	TP41	B-5
Q6471	G-2	TP2	A-1	TP42	B-5
Q6491	E-3	TP3	B-1	TP43	B-5
Q6492	E-3	TP4	B-1	TP44	B-5
Q6552	E-4	TP6	B-1	TP45	B-5
Q6601	C-4	TP7	B-1	TP46	G-5
Q6602	B-4	TP8	B-1	TP47	G-5
Q6603	B-4	TP9	B-1	TP48	G-5
Q6611	E-4	TP10	E-2	TP49	G-5
Q6612	D-4	TP11	D-1	TP50	G-5
Q6613	D-4	TP12	D-2	TP51	G-5
Q6634	D-2	TP13	D-1	TP54	C-5
Q6635	C-2	TP14	E-1	TP55	B-5
Q6648	E-2	TP15	D-1	TP56	C-5
Q6649	D-2	TP16	D-2	TP57	B-5
		TP20	D-1	TP58	B-5
		TP21	D-1	TP59	G-5
		TP22	D-2	TP60	F-5
		TP23	E-1	TP61	G-5
		TP24	E-1	TP62	F-5
		TP25	D-2	TP63	F-5
		TP26	D-1	TP70	G-3
		TP27	E-1	TP76	G-3
		TP28	E-1	TP77	E-3
		TP29	E-2	TP80	C-5
		TP30	D-2	TP81	C-5
		TP31	E-2	TP83	F-5
				TP84	F-5

Parts Location

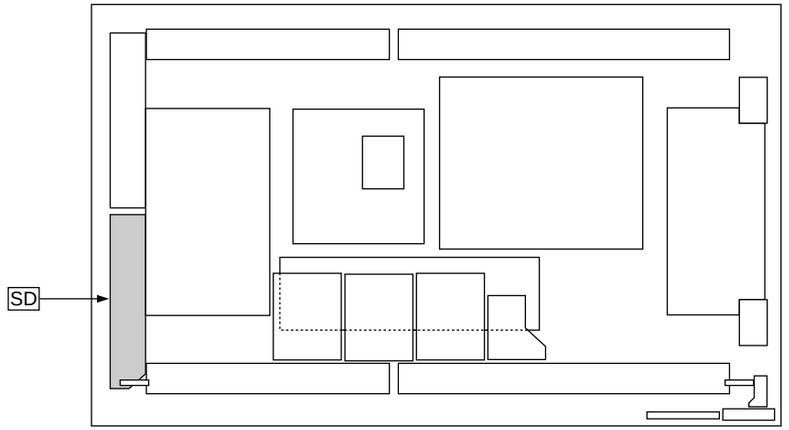
SC-BOARD (COMPONENT SIDE)

IC		TRANSISTOR		Q6533	E-4	Q6603	G-4
IC6431	B-3	Q6431	A-3	Q6534	F-4	Q6608	E-3
IC6451	B-3	Q6432	A-3	Q6535	F-4	Q6609	E-3
IC6453	B-4	Q6435	A-3	Q6536	F-4	Q6611	D-4
IC6454	B-4	Q6451	B-2	Q6537	F-4	Q6612	D-4
IC6455	B-5	Q6455	B-2	Q6538	G-4	Q6613	E-4
IC6462	B-2	Q6471	A-2	Q6539	G-4	Q6619	D-3
IC6471	B-2	Q6472	A-2	Q6540	G-4	Q6620	D-3
IC6472	B-3	Q6474	B-2	Q6541	G-4	Q6627	E-2
IC6491	C-3	Q6475	A-2	Q6551	C-4	Q6628	E-2
IC6500	A-5	Q6476	B-4	Q6552	C-4	Q6629	D-2
IC6509	A-4	Q6477	A-4	Q6554	A-3	Q6630	D-2
IC6511	C-5	Q6491	D-3	Q6560	E-5	Q6634	E-2
IC6512	B-3	Q6492	C-3	Q6561	E-5	Q6635	F-2
IC6521	D-4	Q6502	C-3	Q6562	F-5	Q6639	C-1
IC6541	C-4	Q6503	C-4	Q6563	F-5	Q6640	C-1
IC6542	C-4	Q6504	C-4	Q6564	F-5	Q6648	D-2
IC6543	B-4	Q6506	C-3	Q6565	F-5	Q6649	E-2
IC6544	C-5	Q6511	D-5	Q6566	G-5		
IC6581	E-1	Q6512	D-5	Q6567	G-5	**TP**	
IC6601	E-3	Q6520	D-4	Q6568	G-5	TP15V	G-1
IC6602	E-2	Q6521	D-5	Q6569	G-5	TPSC1	E-5
IC6603	D-2	Q6523	D-4	Q6581	E-2	TPSOS1	C-2
IC6604	C-1	Q6524	C-4	Q6582	C-5	TPSOS2	D-2
IC6605	D-1	Q6525	C-5	Q6583	C-5	TPVAD	B-4
IC6606	C-1	Q6526	D-5	Q6588	C-4	TPVSCN	B-3
		Q6530	D-4	Q6601	C-5	TPVSET	B-3
		Q6531	E-4	Q6601	F-4	TPVSET2	A-3
		Q6532	E-4	Q6602	G-4	TPVSUS	H-2

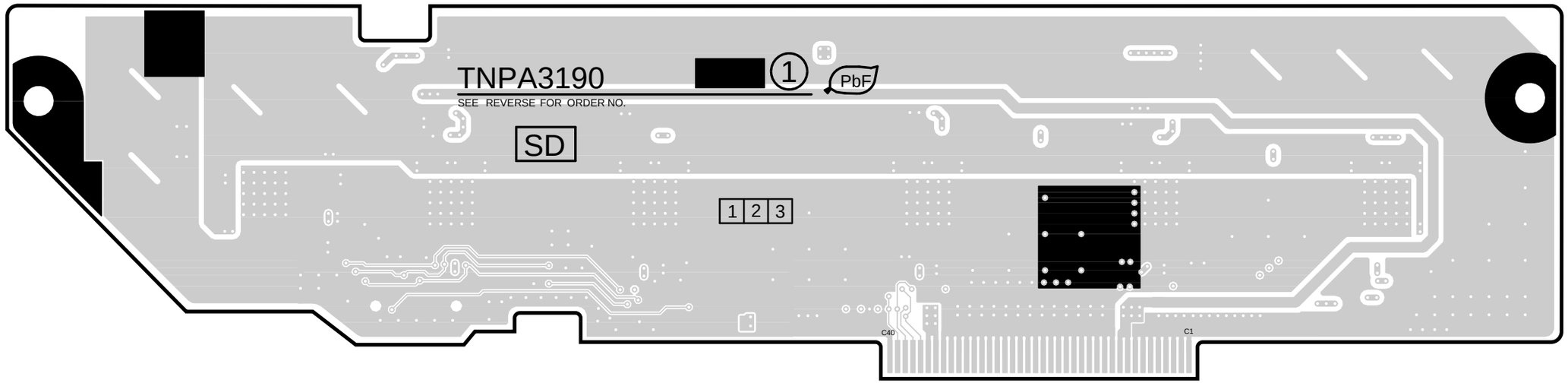
TH-42PHD8BK/BS/EK/ES
SC-BOARD PARTS LOCATION

Parts Location

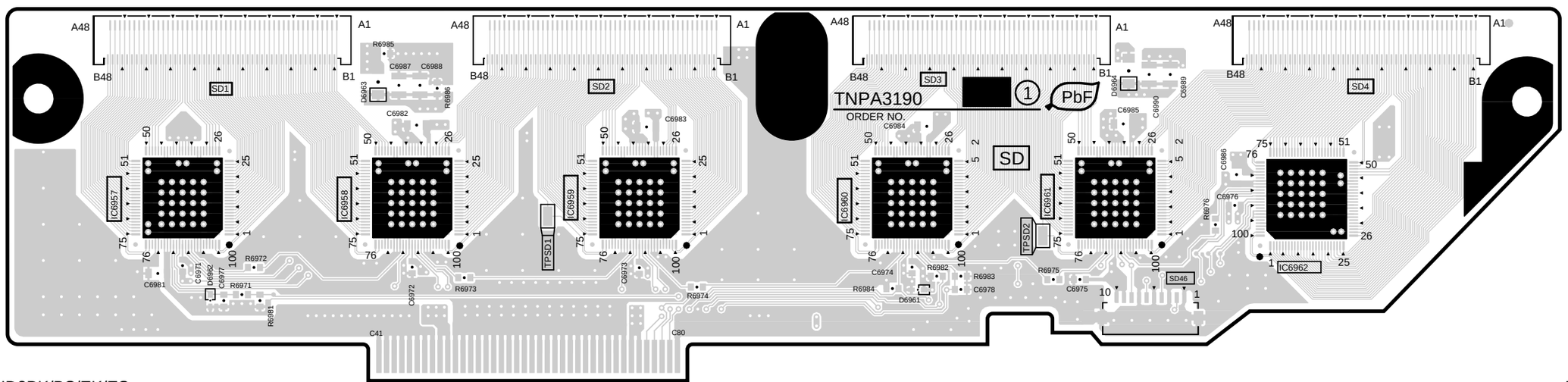
SD-BOARD			
IC		**TP**	
IC6957	A-2	TPSD1	D-1
IC6958	C-2	TPSD2	F-1
IC6959	D-2		
IC6960	E-2		
IC6961	F-2		
IC6962	G-1		



SD-BOARD(FOIL SIDE)
TNPA3190AC

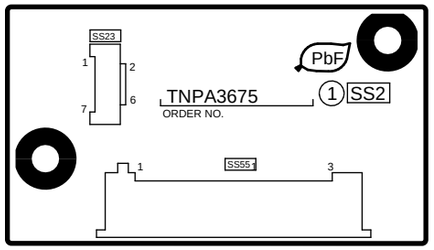


SD-BOARD(COMPONENT SIDE)
TNPA3190AC

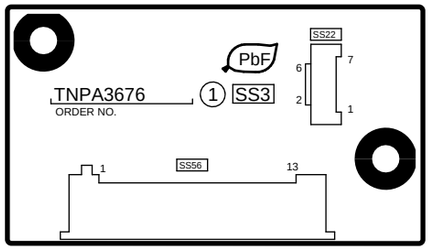


TH-42PHD8BK/BS/EK/ES
SD-BOARD TNPA3190AC

SS2-BOARD (COMPONENT SIDE)
TNPA3675

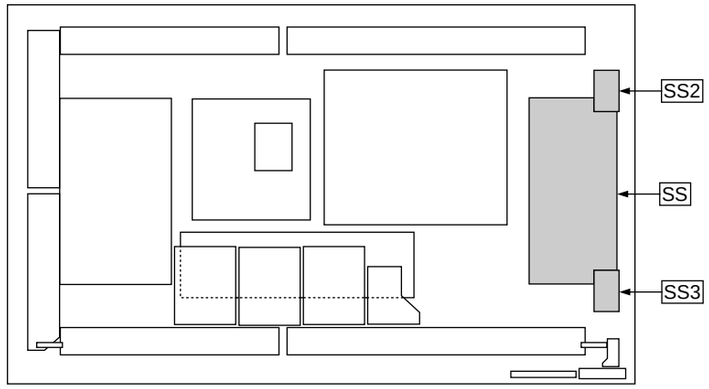


SS3-BOARD (COMPONENT SIDE)
TNPA3676

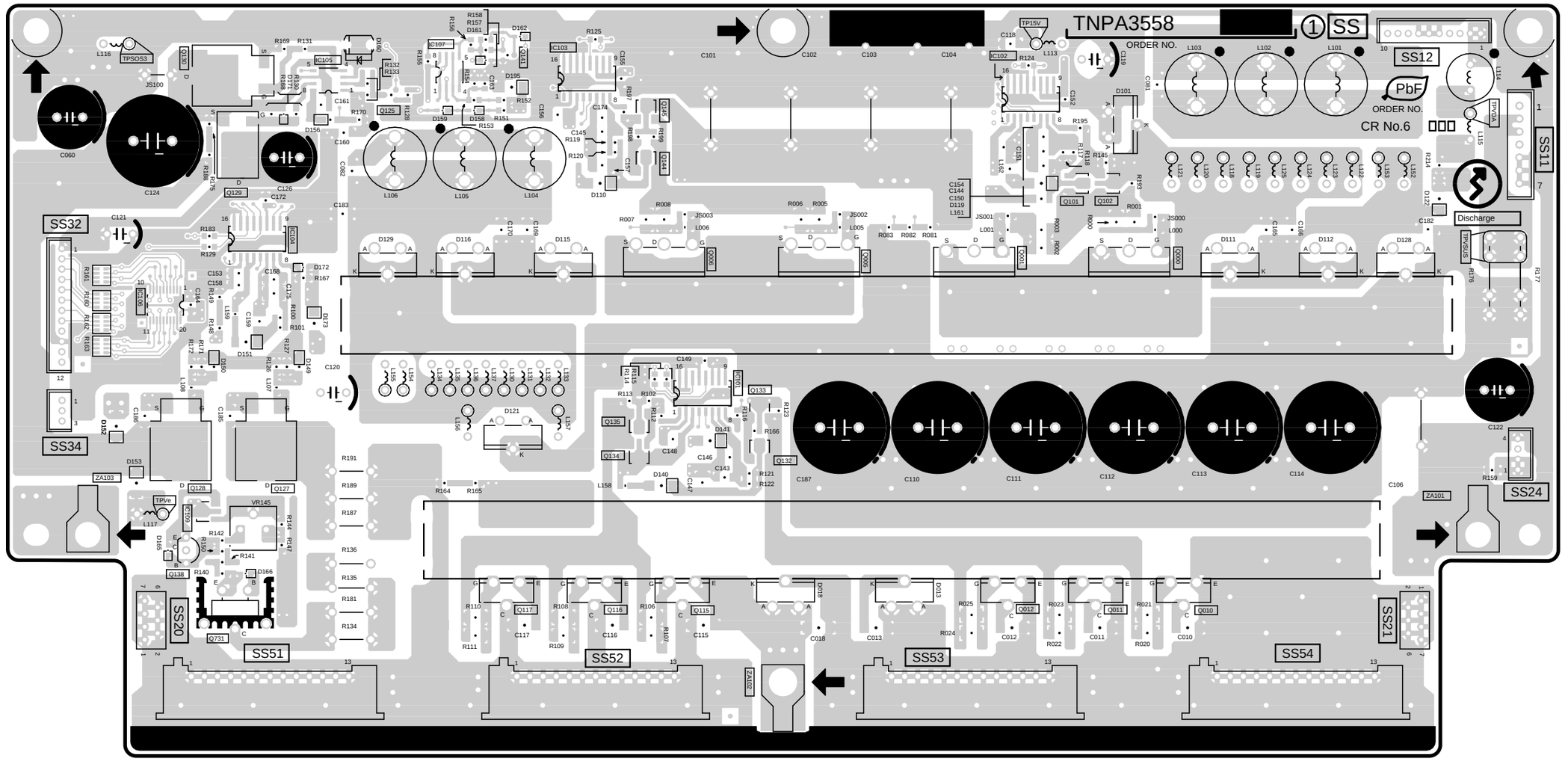


Parts Location

SS-BOARD (COMPONENT SIDE)			
IC		Q6117	C-2
IC6101	D-3	Q6125	C-4
IC6102	F-4	Q6127	B-3
IC6103	D-4	Q6128	B-3
IC6104	B-4	Q6129	B-4
IC6105	C-4	Q6130	B-4
IC6106	B-3	Q6132	E-3
IC6107	C-4	Q6133	E-3
IC6109	B-2	Q6134	D-3
TRANSISTOR		Q6135	D-3
Q6000	F-4	Q6138	B-2
Q6001	F-4	Q6141	C-4
Q6005	E-4	Q6144	D-4
Q6006	D-4	Q6145	D-4
Q6010	G-2	Q6731	B-2
Q6011	F-2	**TP**	
Q6012	F-2	TP15V	F-5
Q6101	F-4	TPSOS3	B-5
Q6102	F-4	TPVDA	H-4
Q6115	D-2	TPVe	B-2
Q6116	D-2	TPVSUS	H-4



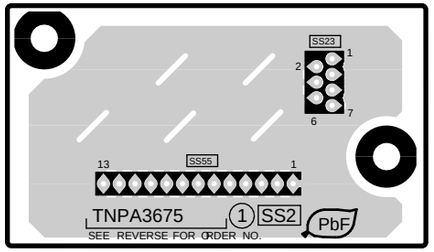
SS-BOARD (COMPONENT SIDE)
TNPA3558



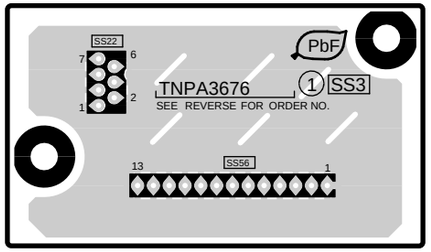
TH-42PHD8BK/BS/EK/ES
SS-BOARD TNPA3558
SS2-BOARD TNPA3675
SS3-BOARD TNPA3676

TH-42PHD8BK/BS/EK/ES
SS-BOARD TNPA3558
SS2-BOARD TNPA3675
SS3-BOARD TNPA3676

SS2-BOARD (FOIL SIDE)
TNPA3675

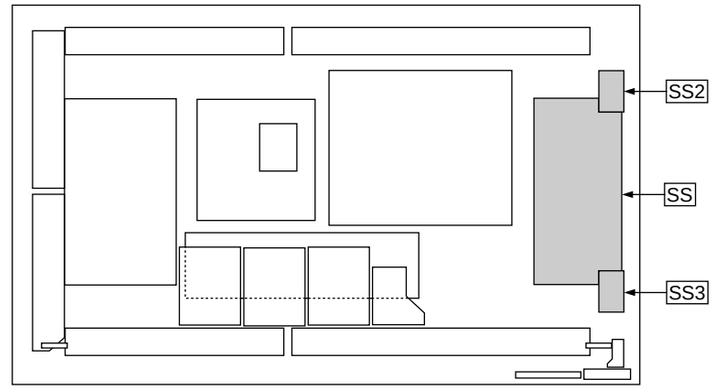


SS3-BOARD (FOIL SIDE)
TNPA3676

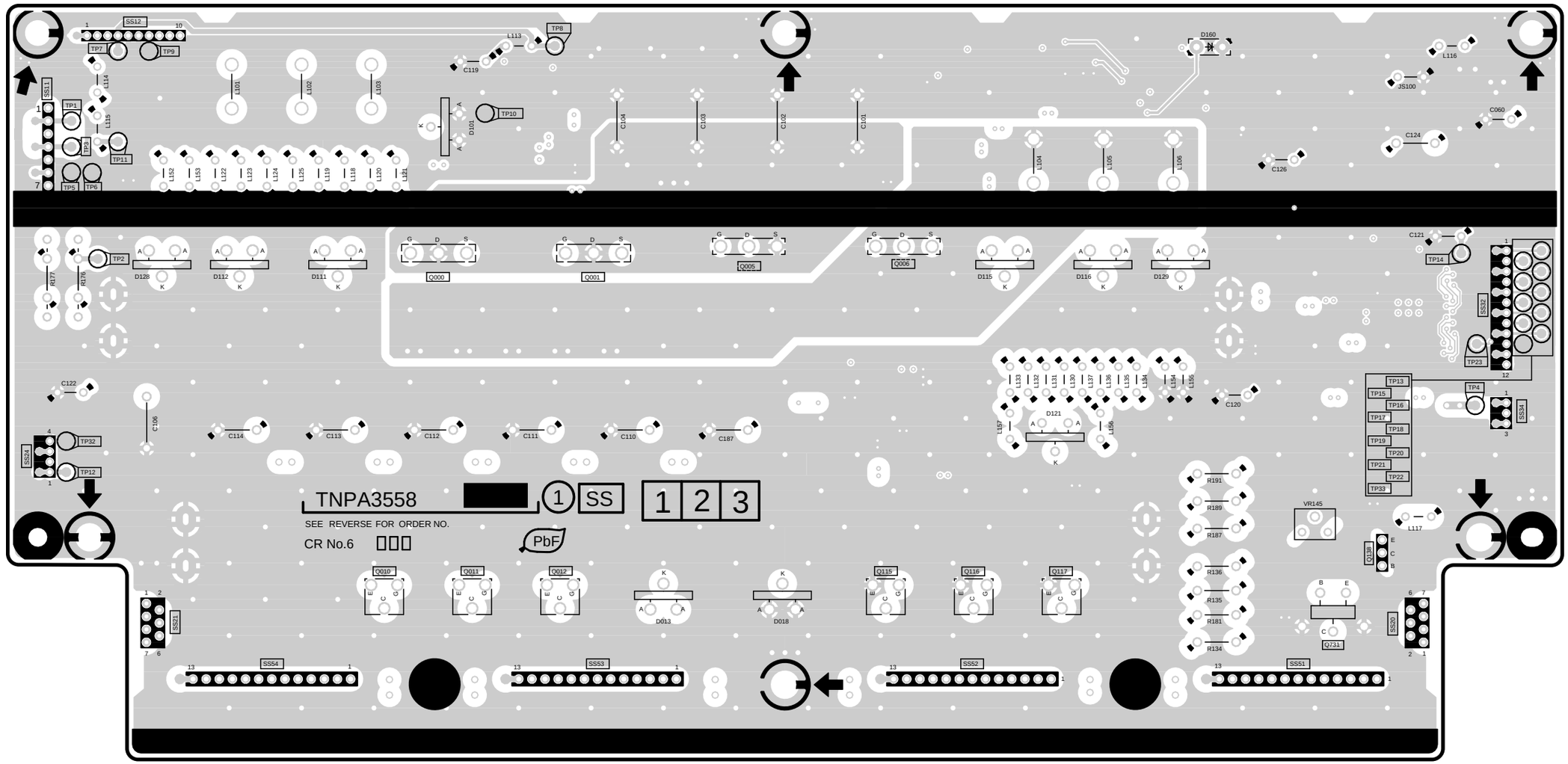


Parts Location

SS-BOARD (FOIL SIDE)			
TRANSISTOR		TP6	A-4
Q6000	C-4	TP7	B-5
Q6001	D-4	TP8	D-5
Q6005	E-4	TP9	B-5
Q6006	E-4	TP10	C-4
Q6010	C-2	TP11	B-4
Q6011	C-2	TP12	A-2
Q6012	D-2	TP13	H-4
Q6115	E-2	TP14	H-4
Q6116	F-2	TP15	H-4
Q6117	F-2	TP16	H-4
Q6138	H-2	TP17	H-3
Q6731	G-2	TP18	H-3
TP		TP19	H-3
TP1	A-4	TP20	H-3
TP2	A-4	TP21	H-3
TP3	A-4	TP22	H-3
TP4	H-3	TP23	H-3
TP5	A-4	TP32	A-3
		TP33	H-3



SS-BOARD (FOIL SIDE)
TNPA3558

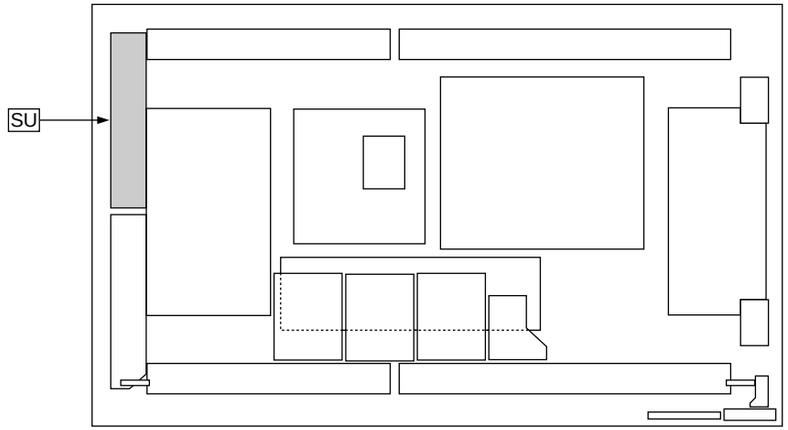


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SS-BOARD TNPA3558
SS2-BOARD TNPA3675
SS3-BOARD TNPA3676

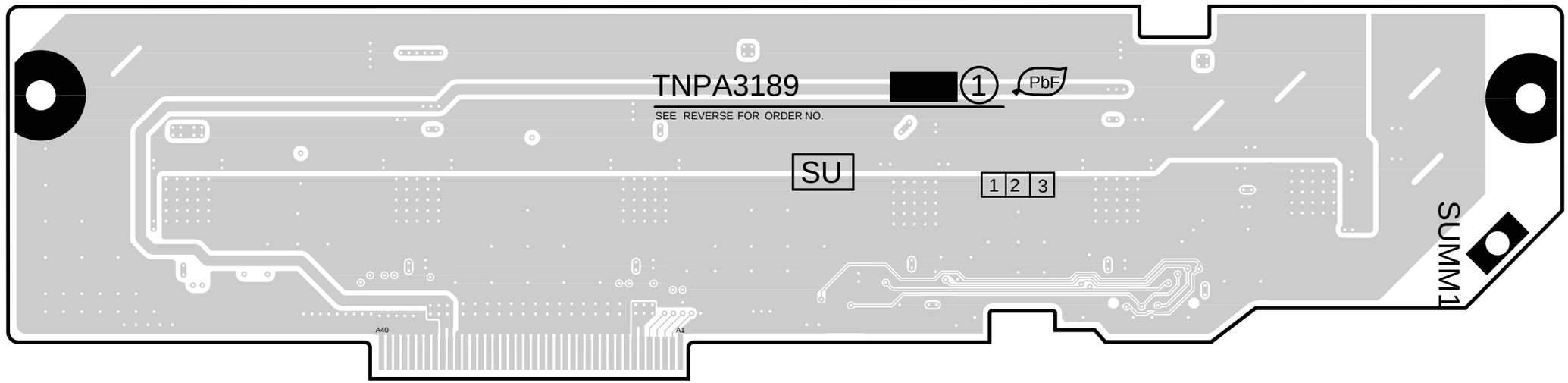
TH-42PHD8BK/BS/EK/ES
SS-BOARD TNPA3558
SS2-BOARD TNPA3675
SS3-BOARD TNPA3676

Parts Location

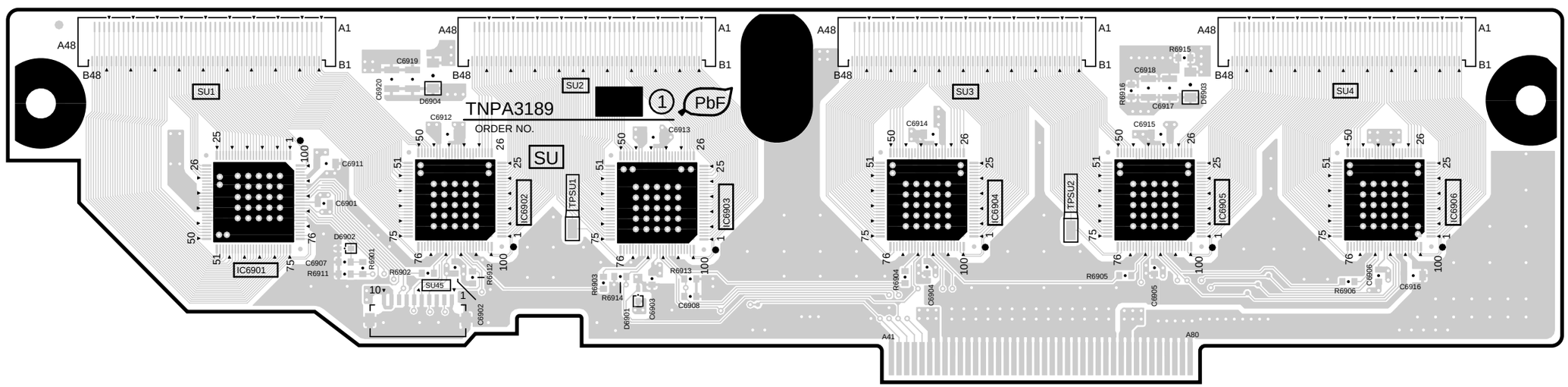
SU-BOARD			
IC		**TP**	
IC6901	B-1	TPSU1	D-2
IC6902	C-2	TPSU2	F-2
IC6903	D-2		
IC6904	F-2		
IC6905	G-2		
IC6906	H-2		



SU-BOARD(FOIL SIDE)
TNPA3189AC

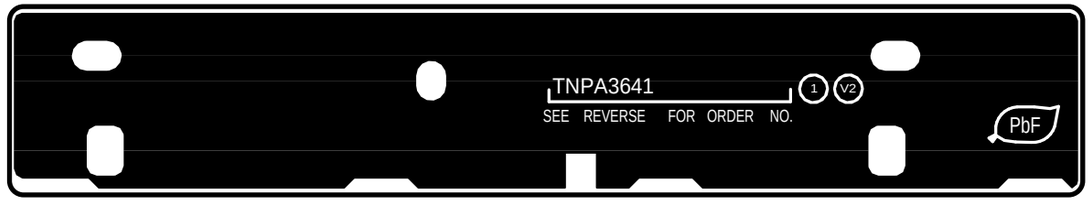


SU-BOARD(COMPONENT SIDE)
TNPA3189AC

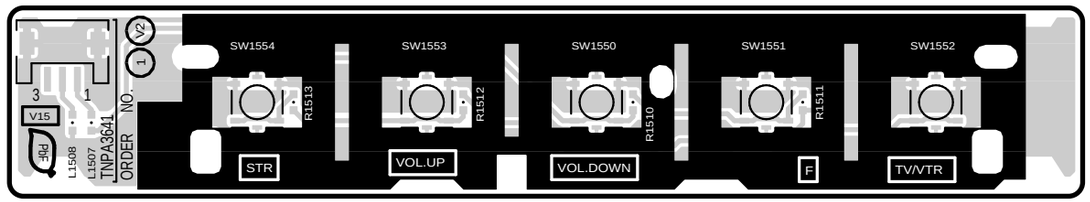


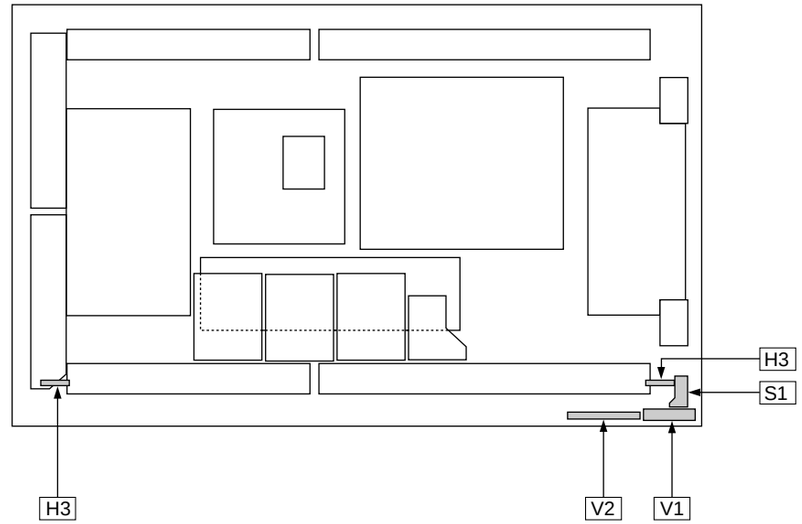
TH-42PHD8BK/BS/EK/ES
SU-BOARD TNPA3189AC

V2-BOARD(FOIL SIDE)
TNPA3641

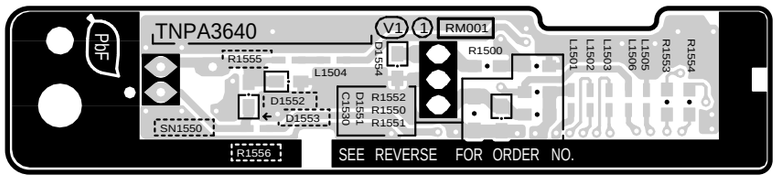


V2-BOARD(COMPONENT SIDE)
TNPA3641

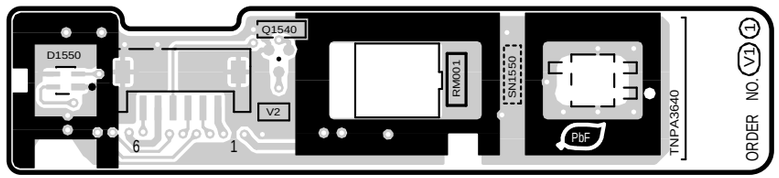




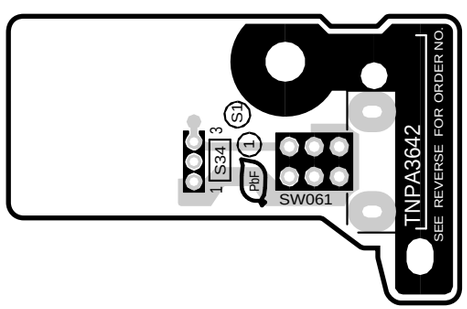
V1-BOARD(FOIL SIDE)
TNPA3640



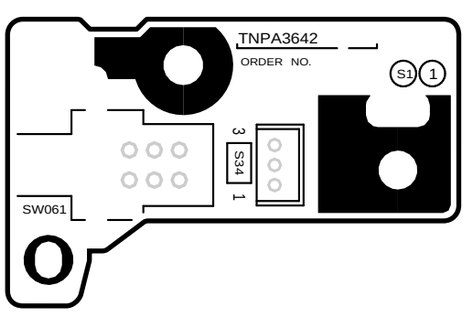
V1-BOARD(COMPONENT SIDE)
TNPA3640



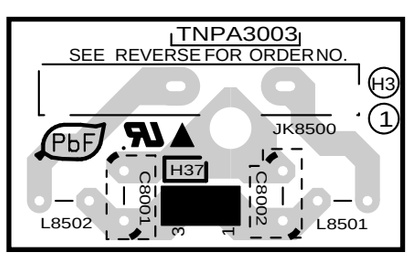
S1-BOARD(FOIL SIDE)
TNPA3642



S1-BOARD(COMPONENT SIDE)
TNPA3642

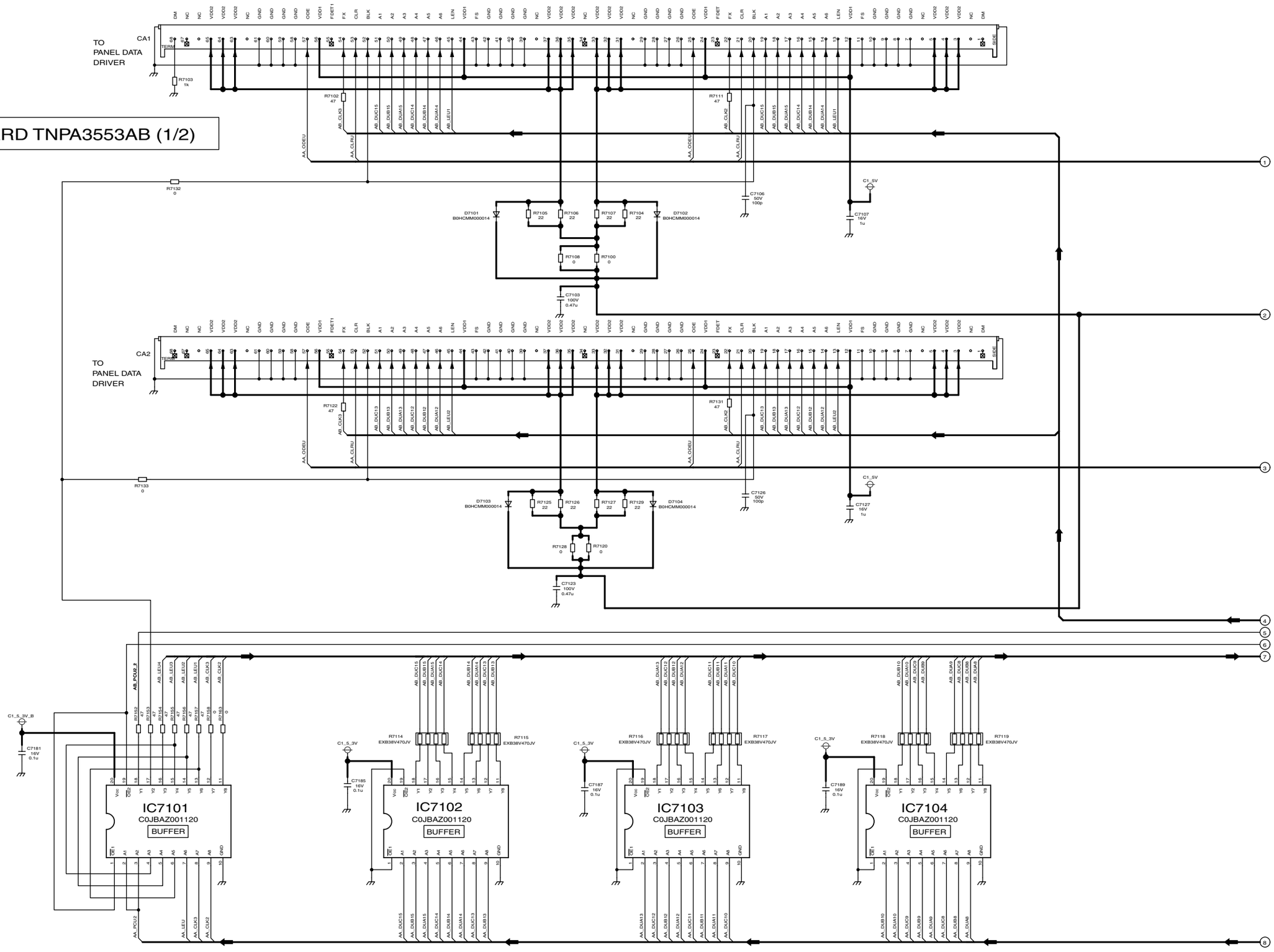


H3-BOARD
TNPA3003



TH-42PHD8BK/BS/EK/ES
V2-BOARD TNPA3641 V1-BOARD TNPA3640
S1-BOARD TNPA3642 H3-BOARD TNPA3003

C1-BOARD TNPA3553AB (1/2)



TH-42PHD8BK/BS/EK/ES
C1-Board (1 of 2) Schematic Diagram

TH-42PHD8BK/BS/EK/ES
C1-Board (1 of 2) Schematic Diagram

TO
PANEL DATA
DRIVER

CA3

TERM

R7142 47 — AB_CLK3
R7151 47 — AB_CLK2
AB_DUC11 / AB_DUB11 / AB_DUA11 / AB_DUC10 / AB_DUB10 / AB_DUA10 / AB_LEU3
AA_ODEU
AA_CLRU

R7134 0

D7105 B0HCMM000014 — R7145 22, R7146 22
D7106 B0HCMM000014 — R7147 22, R7149 22
R7148 0
R7140 0
C7143 100V 0.47u

C7146 50V 100p
C1_5V
C7147 16V 1u

TO
PANEL DATA
DRIVER

CA4

TERM

R7162 47 — AB_CLK3
R7171 47 — AB_CLK2
AB_DUC9 / AB_DUB9 / AB_DUA9 / AB_DUC8 / AB_DUB8 / AB_DUA8 / AB_LEU4
AA_ODEU
AA_CLRU

R7135 0

D7107 B0HCMM000014 — R7165 22, R7166 22
D7108 B0HCMM000014 — R7167 22, R7169 22
R7168 0
R7160 0
C7163 100V 0.47u

C7166 50V 100p
C1_5V
C7167 16V 1u

C1_5V
C1_5_3V_B
C1_5_3V
R7109 0
R7143 0

ZA7101 K4CD01000013
ZA7102 K4CD01000013
ZA7103 K4CD01000013

TO
C2-BOARD
(C22)

R7137 220k
70.0
70.0
0
0
Vda 70V
Vda 70V
NC
GND
C12

C1_5V
EL7101 J0HABH000013
R7124 22k
R7123 100k

TO
D-BOARD
(D31)
C11

AA_DUC15 / AA_DUB15 / AA_DUA15 / AA_DUC14 / AA_DUB14 / AA_DUA14
AA_ODEU / AA_CLRU
R7172 0 — AA_PCU2
R7173 0 — AA_PCL2
AA_LEU / AA_CLK3 / AA_CLK2
AA_DUC13 / AA_DUB13 / AA_DUA13 / AA_DUC12 / AA_DUB12 / AA_DUA12
AA_DUC11 / AA_DUB11 / AA_DUA11 / AA_DUC10 / AA_DUB10 / AA_DUA10
AA_DUC9 / AA_DUB9 / AA_DUA9 / AA_DUC8 / AA_DUB8 / AA_DUA8

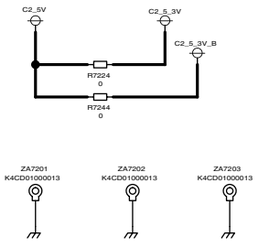
GND / GND / GND / DOUTUC[2:1] / DOUTUB[2:1] / DOUTUA[2:1] / DOUTUC[2:0] / DOUTUB[2:0] / DOUTUA[2:0] / GND / DOUTUC[1:0] / DOUTUB[1:0] / DOUTUA[1:0] / GND / DOUTUC[1:5] / DOUTUB[1:5] / DOUTUA[1:5] / DOUTUC[1:4] / DOUTUB[1:4] / DOUTUA[1:4] / GND / ODEU / CLRU / PCU2 / LEU / CLK3(H:) / CLK2(L:) / GND / DOUTUC[1:3] / DOUTUB[1:3] / DOUTUA[1:3] / DOUTUC[1:2] / DOUTUB[1:2] / DOUTUA[1:2] / GND / DOUTUC[1:1] / DOUTUB[1:1] / DOUTUA[1:1] / DOUTUC[1:0] / DOUTUB[1:0] / DOUTUA[1:0] / GND / DOUTUC[8] / DOUTUB[8] / DOUTUA[8] / DOUTUC[8] / DOUTUB[8] / DOUTUA[8] / GND / DRV_RST / 5V_DET / P5V / P5V / P5V / P5V / P5V

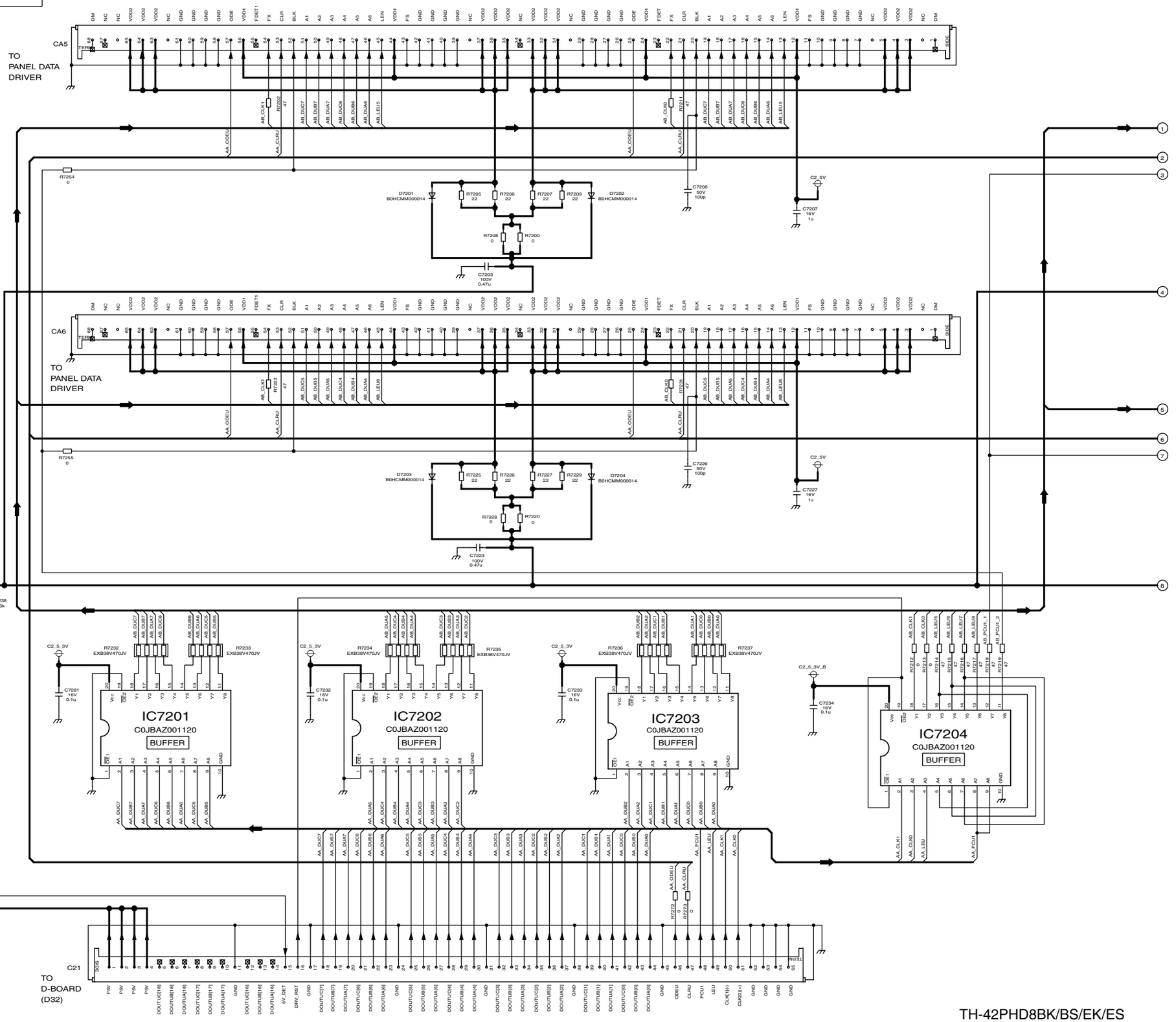
C1-BOARD TNPA3553AB (2/2)

TH-42PHD8BK/BS/EK/ES
C1-Board (2 of 2) Schematic Diagram

TH-42PHD8BK/BS/EK/ES
C1-Board (2 of 2) Schematic Diagram

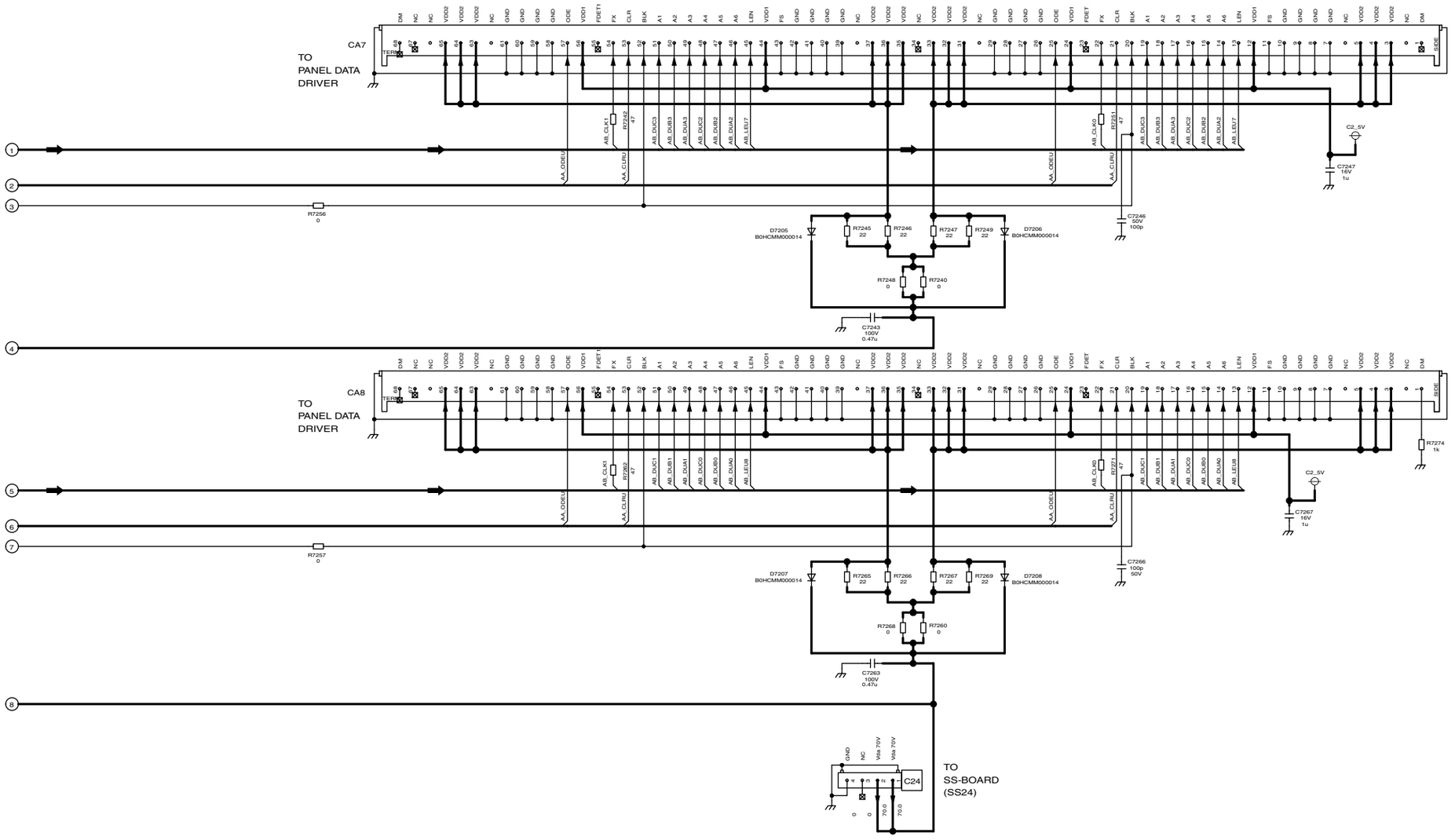
C2-BOARD TNPA3554AB (1/2)





TH-42PHD8BK/BS/EK/ES
C2-Board (1 of 2) Schematic Diagram

TH-42PHD8BK/BS/EK/ES
C2-Board (1 of 2) Schematic Diagram



C2-BOARD TNPA3554AB (2/2)

TH-42PHD8BK/BS/EK/ES
C2-Board (2 of 2) Schematic Diagram

C3-BOARD TNPA3555 (1/2)

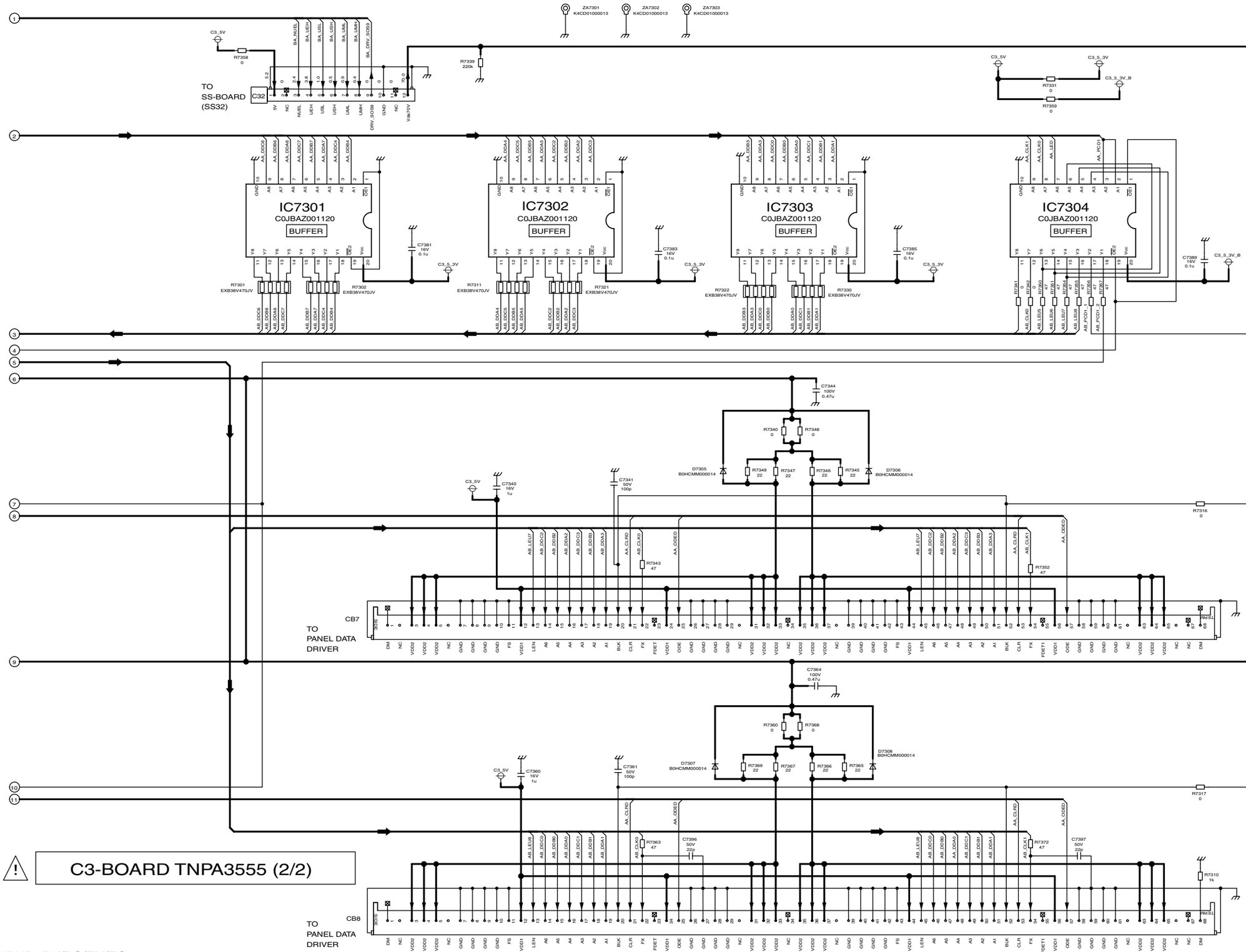
C31
TO
D-BOARD
(D33)

TO
C-BOARD
(C43)

TO
PANEL DATA
DRIVER

TO
PANEL DATA
DRIVER

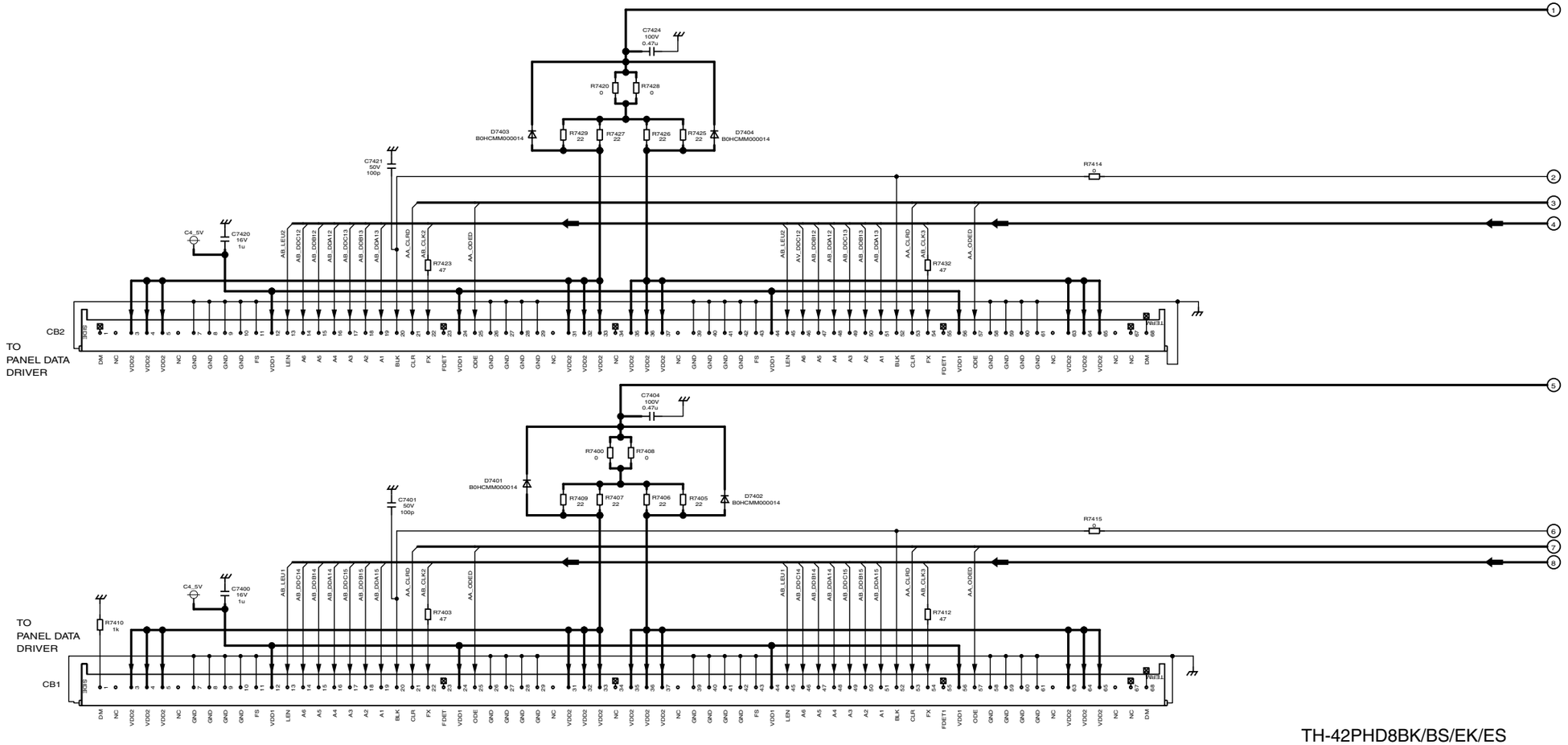
TH-42PHD8BK/BS/EK/ES
C3-Board (1 of 2) Schematic Diagram



TH-42PHD8BK/BS/EK/ES
C3-Board (2 of 2) Schematic Diagram

TH-42PHD8BK/BS/EK/ES
C3-Board (2 of 2) Schematic Diagram

C4-BOARD TNPA3556 (1/2)



TH-42PHD8BK/BS/EK/ES
C4-Board (1 of 2) Schematic Diagram

TH-42PHD8BK/BS/EK/ES
C4-Board (1 of 2) Schematic Diagram

C4-BOARD TNPA3556 (2/2)

TO D-BOARD (D34)

C41

IC7401 C0JBAZ001120 BUFFER

IC7402 C0JBAZ001120 BUFFER

IC7403 C0JBAZ001120 BUFFER

IC7404 C0JBAZ001120 BUFFER

FL7401 J0HABH000013

TO C3-BOARD (C33)

CB4

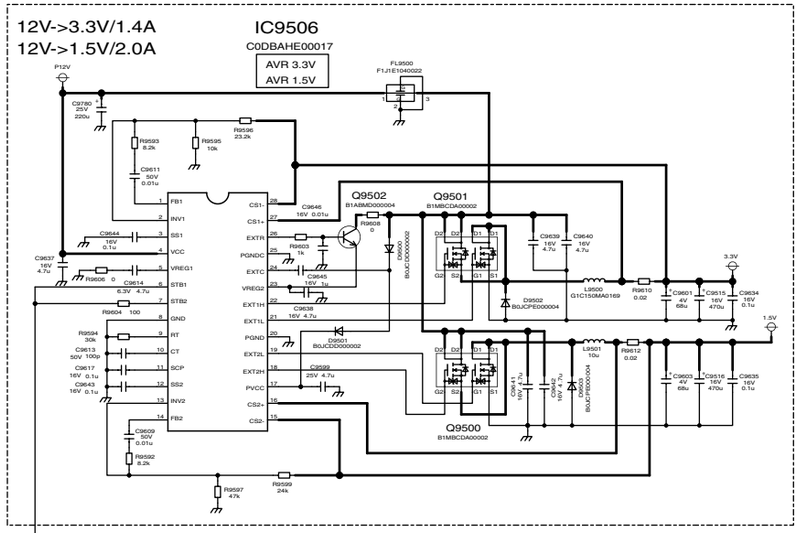
TO PANEL DATA DRIVER

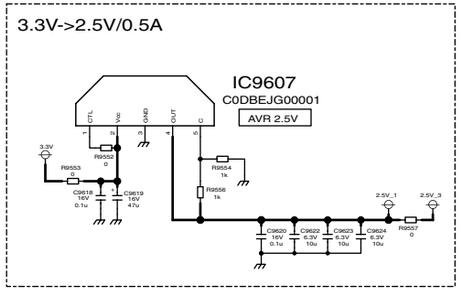
CB3

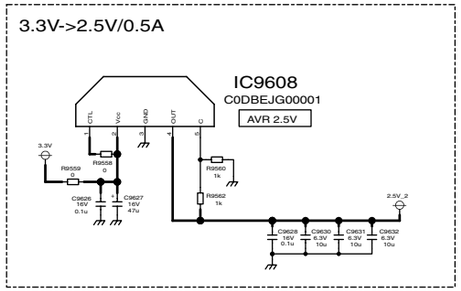
TO PANEL DATA DRIVER

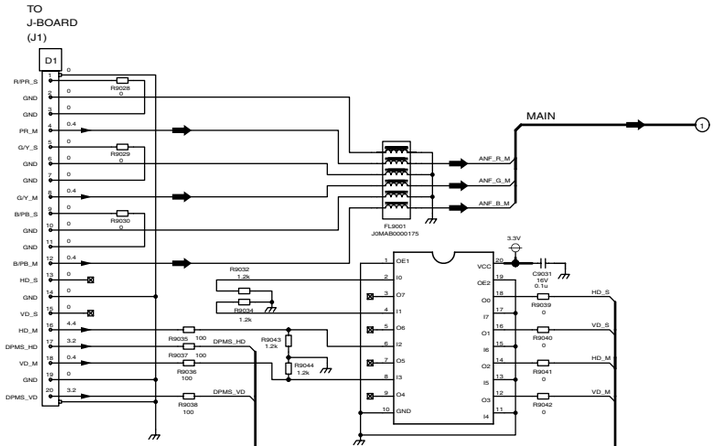
TH-42PHD8BK/BS/EK/ES
C4-Board (2 of 2) Schematic Diagram

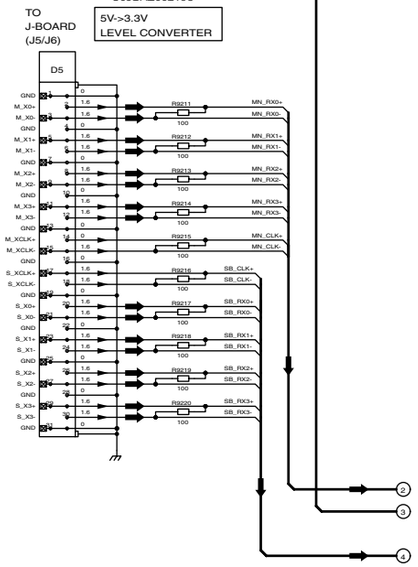
D-BOARD TZTNP01YQSE (1/12)

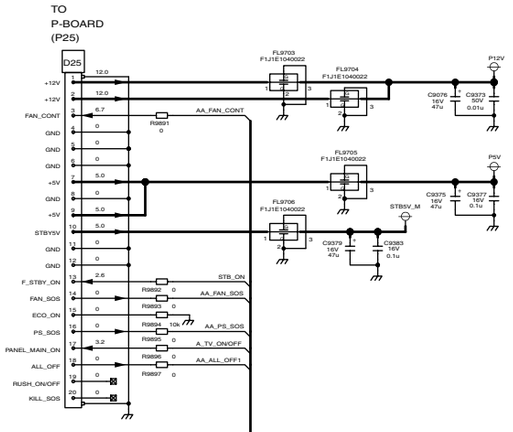


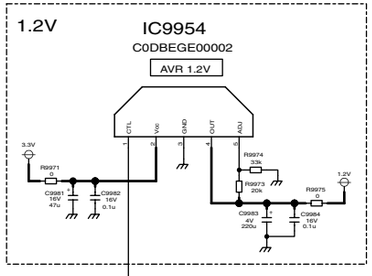


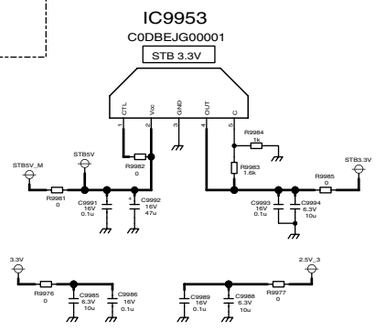






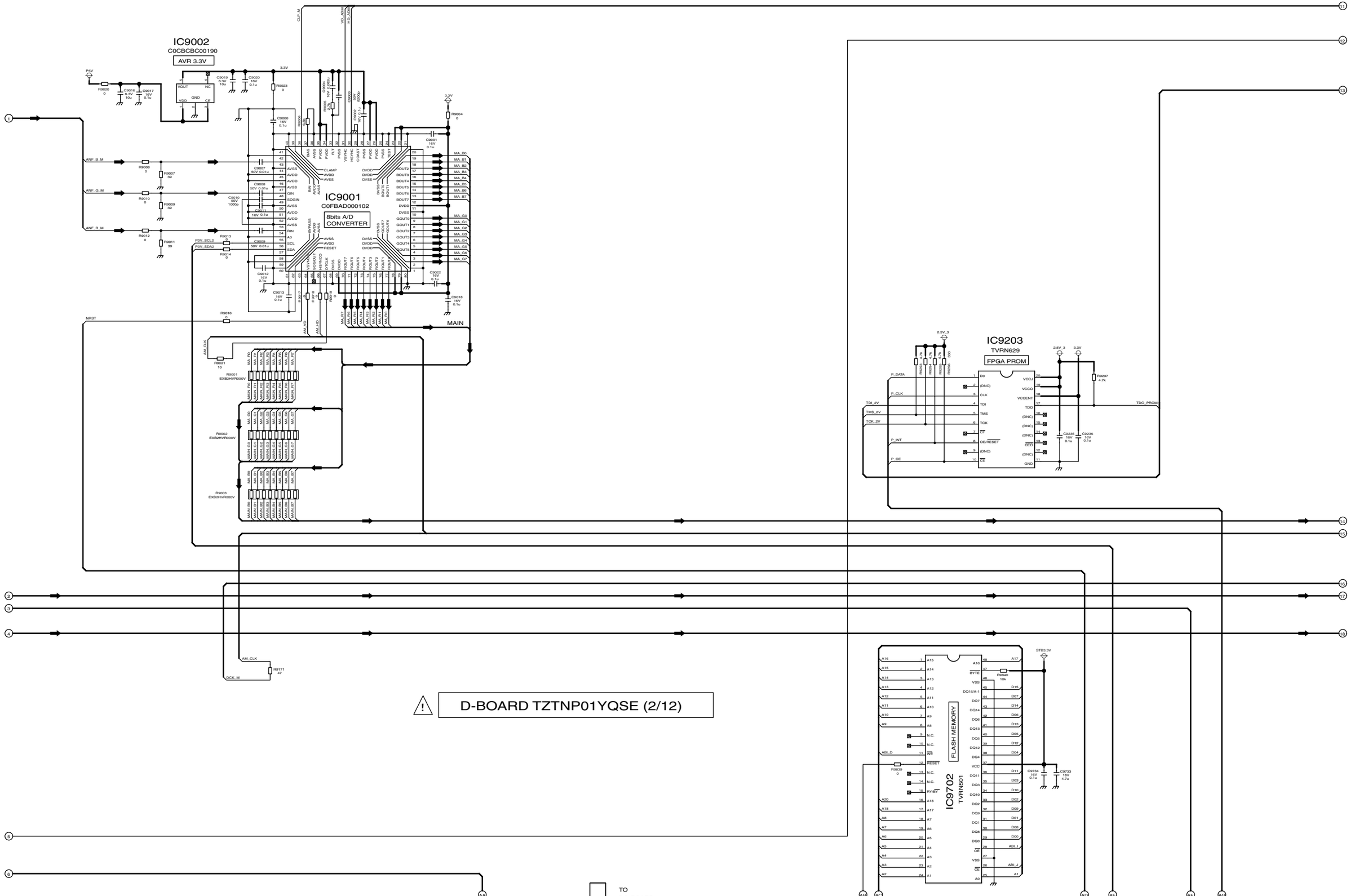






TO
DG-BOARD
(7/12)

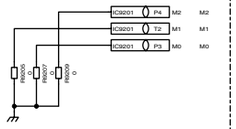
TH-42PHD8BK/BS/EK/ES
D-Board (1 of 12) Schematic Diagram



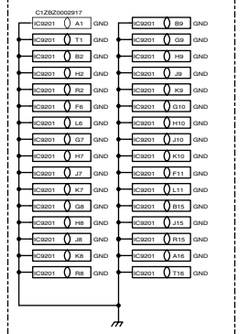
TH-42PHD8BK/BS/EK/ES
D-Board (2 of 12) Schematic Diagram

FPGA

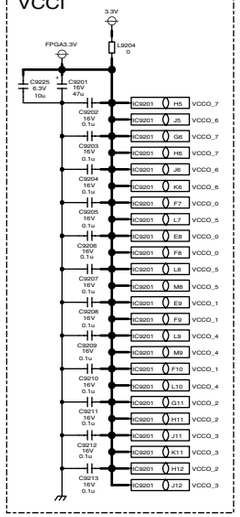
FPGA_MODE



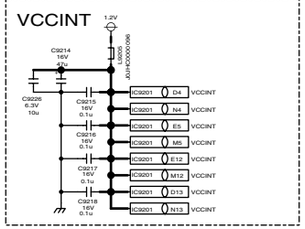
GND



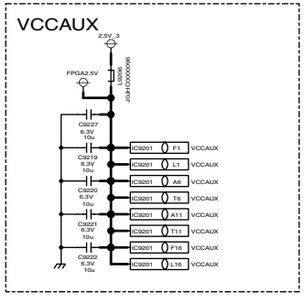
VCCI



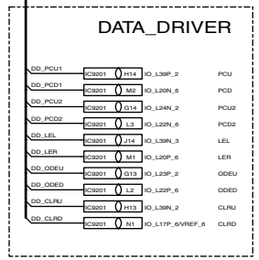
VCCINT



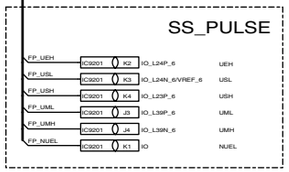
VCCAUX



DATA_DRIVER



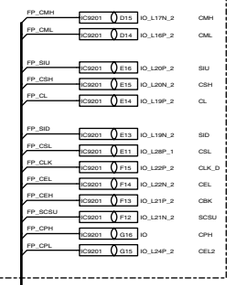
SS_PULSE



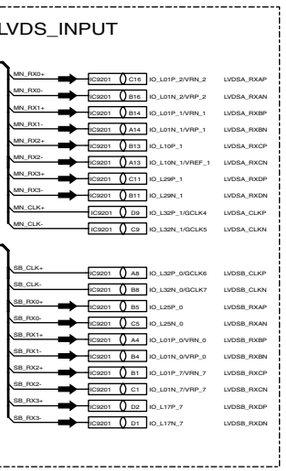
CLK_INPUT



SC_PULSE



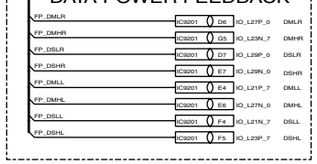
LVDS_INPUT



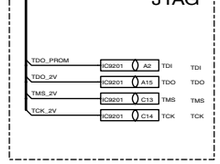
TEST PIN



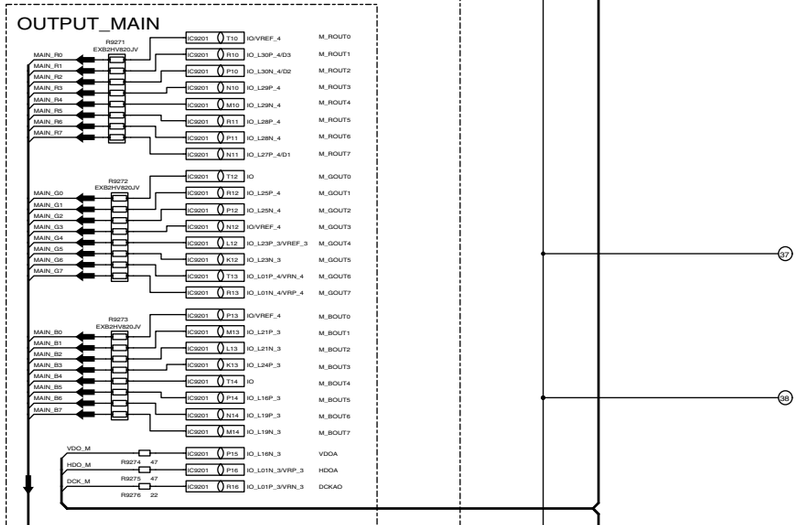
DATA POWER FEEDBACK



JTAG



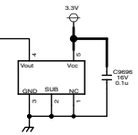
OUTPUT_MAIN



IC9605

C0EBE0000066

RESET



IC9201

C1ZBZ0002917

SYNC SIGNAL CONTROL
LVDS RECEIVER
TTL S/P
DISCHARGE VOLTAGE CONTROL

D-BOARD TZTNP01YQSE (3/12)

TO DG-BOARD (9/12)

TH-42PHD8BK/BS/EK/ES
D-Board (3 of 12) Schematic Diagram

TH-42PHD8BK/BS/EK/ES
D-Board (3 of 12) Schematic Diagram

D-BOARD TZTNP01YQSE (4/12)

IC9103
C0JBAE000354
2.5V->3.3V LEVEL CONVERTER

IC9102
C0JBAZ002198
3.3V->2.5V LEVEL CONVERTER

CPG

IC9502
C1ZBZ0002769
PLL SYNTHESIZER

IC9304
C0JBAZ000856
3.3V->5V LEVEL CONVERTER

IC9305
C0JBAZ000856
3.3V->5V LEVEL CONVERTER

IC9306
C0JBAZ000856
3.3V->5V LEVEL CONVERTER

TO FACTORY USE

IC9101
C0ZBZ0000764
FPGA CONFIGRATION

POWER

IC9501
MN845111-A
SIGNAL PROCESSOR FORMAT CONVERTER

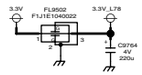
TO DG-BOARD (10/12)

TH-42PHD8BK/BS/EK/ES
D-Board (4 of 12) Schematic Diagram

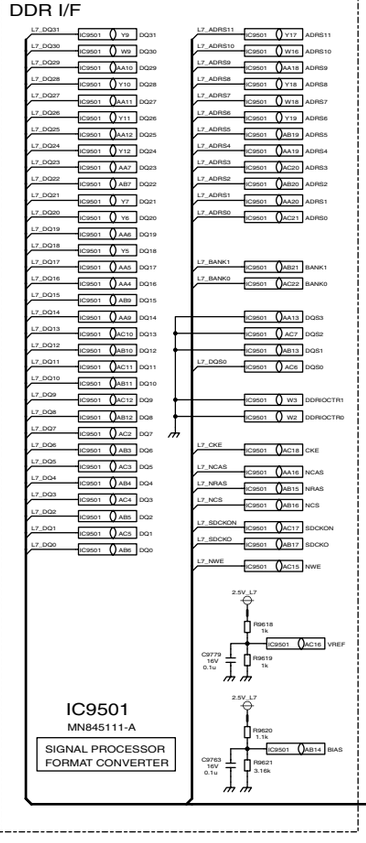
41

42

43

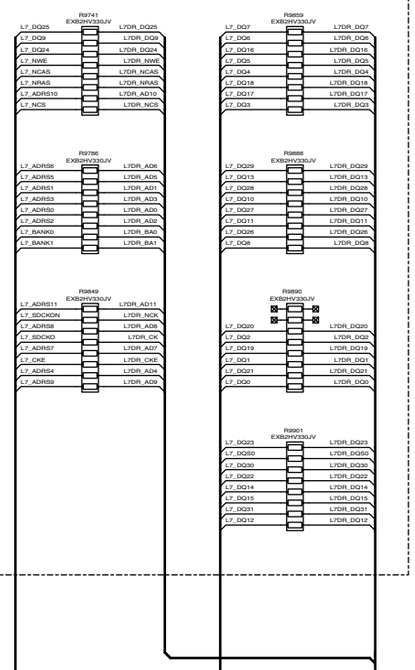


DDR I/F



IC9501
MN845111-A
SIGNAL PROCESSOR
FORMAT CONVERTER

DDR-TERMINATE



DA

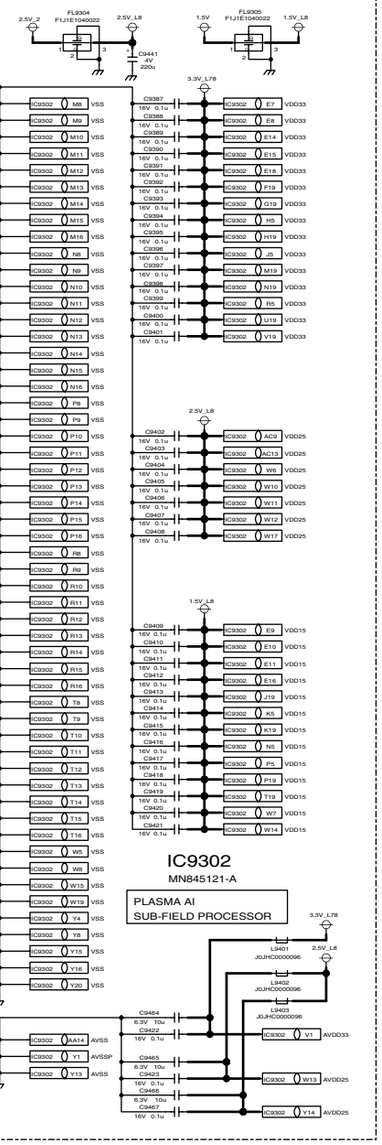
TO
DG-BOARD
(11/12)

DB

DC

DD

POWER



IC9302
MN845121-A
PLASMA AI
SUB-FIELD PROCESSOR

TH-42PHD8BK/BS/EK/ES
D-Board (5 of 12) Schematic Diagram

R-UP

TO C1-BOARD (C11) D31

L-UP

TO C2-BOARD (C21) D32

IC9302
MN845121-A

PLASMA AI
SUB-FIELD PROCESSOR

D-BOARD TZTNP01YQSE (6/12)

DDR-TERMINATE

TO DG-BOARD (12/12)

TH-42PHD8BK/BS/EK/ES
D-Board (6 of 12) Schematic Diagram

D-BOARD TZTNP01YQSE (7/12)

TO
DG-BOARD
(1/12)

TO
J-BOARD
(J3)

TO
SC-BOARD
(SC20)

TO
FACTORY
USE

IC9151
C0JBAZ000856
3.3V->5V
LEVEL CONVERTER

IC9152
C0JBAZ000856
3.3V->5V
LEVEL CONVERTER

IC9715
C0JBAE000354
3.3V->5V
LEVEL CONVERTER

IC9714
C0JBAZ000856
3.3V->5V
LEVEL CONVERTER

IC9713
C0JBAS000215
IIC SWITCH

Q9078 B1ABCF000138
Q9951 B1ABCF000138
Q9713 B1ABCF000138
Q9711 B1ABCF000138
Q9708 B1CBHD000001
Q9709 B1ABCF000138
Q9710 B1ABCF000138

TH-42PHD8BK/BS/EK/ES
D-Board (7 of 12) Schematic Diagram